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Catalogue of Eucosmini from China¹ (Lepidoptera: Tortricidae)

A. H. Zhang & H. H. Li

Abstract

A total of 231 valid species in 34 genera of Eucosmini (Lepidoptera: Tortricidae) are included in this catalogue. One new synonym, *Zeiraphera hohuanshana* Kawabe, 1986 **syn. n.** = *Zeiraphera thymelopa* (Meyrick, 1936) is established. 28 species are firstly recorded for China.

KEY WORDS: Lepidoptera, Tortricidae, Eucosmini, Catalogue, new synonym, China.

Catálogo de los Eucosmini de China (Lepidoptera: Tortricidae)

Resumen

Se incluyen en este Catálogo un total de 233 especies válidas en 34 géneros de Eucosmini (Lepidoptera: Tortricidae). Se establece una nueva sinonimia *Zeiraphera hohuanshana* Kawabe, 1986 **syn. n.** = *Zeiraphera thymelopa* (Meyrick, 1938). 28 especies se citan por primera vez para China.

PALABRAS CLAVE: Lepidoptera, Tortricidae, Eucosmini, catálogo, nueva sinonimia, China.

Introduction

Eucosmini is the second largest tribe of Olethreutinae in Tortricidae, with about 1000 named species in the world (HORAK, 1999). HEINRICH (1923) made a revision of Eucosminae of North America and recorded 382 species and 9 varieties in 26 genera. POWELL (1983) and POWELL *et al.* (1995) listed 532 and 95 species respectively from America North of Mexico and Neotropical region. VÁRI *et al.* (1986) recorded 52 species from South Africa. HORAK *et al.* (1996) listed 82 Australian species. RAZOWSKI (1999) published the catalogue of Palearctic Eucosmina (*ie.* Eucosmini in the present paper) and Enarmoniina, with 457 species in 43 genera of Eucosmini reported. Then he (2003) described 215 species from Europe.

WU (1938), mainly based on CARADJA's work (1925), listed 10 species of Eucosmini from China in his catalogue. LIU & BAI (1977) recorded 39 species from Northeast China. HEPPNER & INOUE (1992) listed 34 species from Taiwan. LIU & LI (2002) reported 77 species of Eucosmini from the mainland of China.

The present paper lists 231 valid species in 34 genera from China. At the same time one new synonym is established and 28 species are recorded for the first time from this country. The known food plants and the distribution of each species are given.

¹The research was supported by the National Natural Science Foundation of China for the special program.

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Eucosmini Obratzov, 1946
Z. wien. Ent. Ges., **30**(1945): 20.

Spilonotidi Guenée, 1845, *Annls Soc. ent. Fr.*, (2)**3**: 154.
 Epiblemidii: Pierce & Metcalfe, 1922, *Genitalia Br. Tortricidae*: XXI, 56. Major group of Tortricidae, treated probably as a subfamily.
 Eucosminae: Heinrich, 1923, *Bull. U. S. natn. Mus.*, **123**: 10. Subfamily of Olethreutidae.
 Eucosmini: Kuznetsov & Stekolnikov, 1973, *Trudy vses. Ent. Obshch.*, **56**: 38.

Acroclita Lederer, 1859
Wien. Entomol. Mschr., **3**: 123, 329.

Acroclita corinthia Meyrick, 1912
Acroclita corinthia Meyrick, 1912, *J. Bombay Nat. Hist. Soc.*, **21**: 858.
 Distribution: China (Taiwan), Sri Lanka.

Acroclita nigrovenana Kuznetsov, 1988
Acroclita nigrovenana Kuznetsov, 1988, *Trudy zool. Inst. Leningr.*, **176**: 88.
 Food plant: Sapindaceae: *Litchi chinensis* Sonn. (KUZNETSOV, 2001).
 Distribution: China (Yunnan), Japan, Vietnam.
 Remarks: By examining the photographs of the left wings and the male genitalia (CLARKE, 1958), we think this species is closely allied to *Acroclita corinthia* Meyrick and may be conspecific with it. To confirm this, the type of the latter species needs to be examined.

Antichlidas Meyrick, 1931
Bull. Sect. scient. Acad. roum., **14**: 65.

Antichlidas holocnista Meyrick, 1931
Antichlidas holocnista Meyrick, 1931, *Bull. Sect. scient. Acad. roum.*, **14**: 66.
 Distribution: China (Zhejiang, Jiangxi, Hubei, Hunan, Sichuan, Guizhou), Korea, Japan.

Antichlidas trigonia Zhang & Li, 2004
Antichlidas trigonia Zhang & Li, 2004, *Entomotaxonomia*, **26**(3): 194.
 Distribution: China (Henan, Hubei).

Assulella Kuznetsov, 1973
Entomol. Obozr., **52**(3): 691.

Assulella kuznetsovi Diakonoff, 1983
Assulella kuznetsovi Diakonoff, 1983, *Zool. Verh.*, **204**: 23.
 Distribution: China (Guangxi, Yunnan).

Barbara Heinrich, 1923
Bull. U. S. nat. Mus., **123**: 27.

Barbara fulgens Kuznetsov, 1969
Barbara fulgens Kuznetsov, 1969, *Entomol. Obozr.*, **48**(2): 360.
 Food plants: Pinaceae: *Picea koraiensis* Nakai, *P. obovata* Ledeb., *P. sibirica* Ledeb., *P. ajanensis* Fisch., *Abies holophylla* Maxim. (KUZNETSOV, 2001; LIU & LI, 2002).
 Distribution: China (Heilongjiang), Russia.

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Biuncaria Kuznetsov, 1972
Nasekhomye Mongolii, **1**: 715.

Biuncaria kenteana (Staudinger, 1892)
Grapholitha kenteana Staudinger, 1892, *Dt. ent. Z. Iris*, **5**: 390.
 Distribution: China (Heilongjiang), Mongolia, Russia.

Biuncaria kerzhneri Kuznetsov, 1972
Biuncaria kerzhneri Kuznetsov, 1972, *Nasekhomye Mongolii*, **1**: 716.
 Distribution: China (Inner Mongolia, new record for China), Mongolia.

Blastopetrova Liu & Wu, 1987
 In WU, CAO & LIU, *Scientia Silvae Sinicae*, **23**(2): 152.

Blastopetrova keteleericola Liu & Wu, 1987
Blastopetrova keteleericola Liu & Wu, 1987, In WU, CAO & LIU, *Scientia Silvae Sinicae*, **23**(2): 153.
 Food plant: Pinaceae: *Keteleeria evelyniana* Mast. (LIU & LI, 2002).
 Distribution: China (Guangxi, Yunnan).

Blastesthia Obratzov, 1960
Beitr. Ent., **10**: 462.

Pseudoccyx Swatschek, 1958, *Abh. Larvalsyst. Insecten*, **3**: 131.

Blastesthia turionella (Linnaeus, 1758).
Phalaena Tortrix turionella Linnaeus, 1758, *Systema Naturae*, (ed. 10): 539.
 Food plants: Pinaceae: *Pinus sylvestris* var. *mongolica* Litvin., *P. sylvestris* Linn., *P. nigra* Arn.,
Abies alba Mill. (RAZOWSKI, 2001; LIU & LI, 2002).
 Distribution: China (Inner Mongolia), Korea, Japan, Russia, Europe.

Coenobiodes Kuznetsov, 1973
Entomol. Obozr., **52**: 687.

Coenobiodes abietiella (Matsumura, 1931)
Laspeyresia abietiella Matsumura, 1931, *6000 illustr. Ins. Japan-Empire*: 1071.
 Food plant: Taxaceae: *Taxus cuspidata* Sieb. et Zucc. (KUZNETSOV, 2001).
 Distribution: China (Fujian, Guangdong), Japan, Russia.

Coenobiodes acceptana Kuznetsov, 1973
Coenobiodes acceptana Kuznetsov, 1973, *Entomol. Obozr.*, **53**(3): 689.
 Distribution: China (Zhejiang, Anhui, Guizhou, new record for China), Japan.

Crociosema Zeller, 1847
Isis, Leipzig, **10**: 721.

Heligmocera Walsingham, 1891, *Proc. zool. Soc. Lond.*, **1891**: 507.
Parasuleima Clarke, 1965, *Proc. U. S. natn. Mus.*, **117**: 77.

Crociosema plebejana Zeller, 1847
Crociosema plebejana Zeller, 1847, *Isis, Leipzig*, **10**: 721.
Penthina altheana Mann, 1855, *Verh. Zool.-bot. Ges. Wien.*, **5**: 555.

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- Paedisca lavaterana* Millière, 1862, *Icones Descript. Chénilles Lépid. inédites*: 290, 310.
Grapholitha peregrinana Möschler, 1866, *Berl. ent. Z.*, **10**: 139.
Grapholitha obscura Wollaston, 1879, *Ann. Mag. nat. Hist.*, (5)**3**: 341.
Proteopteryx blackburni Butler, 1881, *Ann. Mag. nat. Hist.*, (5)**7**: 393.
Crociosema ptiladelpha Meyrick, 1917, *Trans. ent. Soc. London*, **1917**: 18.
Crociosema synneurota Meyrick, 1926, *Trans. ent. Soc. London*, **74**: 276.
Food plants: Cucubitaceae: *Cucubita pepo* L.; Malvaceae: *Abelmoschus esculentus* (L.) Moench, *Abutilon avicennae* Gaertn., *A. indicum* (Torner) Sweet, *Althaea rosea* (L.) Cav., *Anoda cristata* (L.) Slecht, *Gossypium* sp., *Lavatera arborea* L., *Hibiscus militaris* Cav., *H. rosa-sinensis* L., *Kosteletzkya althaeifolia* (Champ.) A. Gray, *Malva parviflora* L., *Malvastrum* sp., *Malvaviscus* sp., *Sida rhombifolia* L., *S. cordifolia* L.; Myrtaceae: *Eucalyptus* sp.; Rosaceae: *Crataegus* sp.; Saliceae: *Salix safsaf* Forsk.; Turneraeae: *Turnera ulmifolia* L.; Umbelliferae: *Foeniculum piperatum* A. P. de Candolle (NASU, 1992).
Distribution: China (Taiwan), Japan, India, Iran, Europe, America, North Africa, Australia.

Epiblema Hübner, [1825]
Verz. Bekannter Schmett.: 335.

- Cacochroea* Lederer, 1859, *Wien. Entomol. Mschr.*, **3**: 331, 337
Monosphragis Clemens, 1860, *Proc. Acad. Nat. Sci. Philad.*, [**12**]: 354.
Euryptychia Clemens, 1865, *Proc. Entomol. Soc. Philad.*, **5**: 140.

- Epiblema acceptana* (Snellen, 1883)
Grapholitha Paedisca acceptana Snellen, 1883, *Tijdschr. Entomol.*, **26**: 211.
Distribution: China (Heilongjiang), Russia.

- Epiblema alishana* Kawabe, 1986
Epiblema alishana Kawabe, 1986, *Ent. Pap. Pres. Kurosawa*, 82.
Distribution: China (Taiwan).

- Epiblema autolitha* (Meyrick, 1931)
Eucosma autolitha Meyrick, 1931, *Exotic Microlepid.*, **4**: 145.
Food plant: *Tachilus thunbergii* S. et Z. (KAWABE, 1982).
Distribution: China (Tianjin, Hebei, Jilin, Heilongjiang, Zhejiang, Henan, Hubei, Hunan, Anhui, Fujian, Guangdong, Sichuan, Guizhou, Shaanxi, Gansu), Korea, Japan.

- Epiblema banghaasi* Kennel, 1901
Epiblema banghaasi Kennel, 1901, *Dt. ent. Z. Iris*, **13**(1900): 291.
Distribution: China (Heilongjiang), Russia.

- Epiblema batangensis* (Caradja, 1939)
Argyroplote batangensis Caradja, 1939, *Dt. ent. Z. Iris*, **53**: 25.
Distribution: China (Henan, Sichuan, Yunnan).

- Epiblema expressana* (Christoph, 1881)
Grapholitha expressana Christoph, 1881, *Bull. Soc. Nat. Moscou*, **56**(1): 409.
Grapholitha contrasignata Christoph, 1881, *Bull. Soc. Nat. Moscou*, **56**(1): 174.
Distribution: China (Jilin, Heilongjiang), Japan, Russia.

- Epiblema foenella* (Linnaeus, 1758)
Phalaena Tinea foenella Linnaeus, 1758, *Systema Naturae*, (ed. 10): 536.
Phalaena hochenwartiana Scopoli, 1772, *Ann. Hist. nat.*, **5**: 117.

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- Tortrix scopoliana* [Denis & Schiffermüller], 1775, *Syst. Verz. Schmett. Wien. Gegend*: 177.
Pyrallis pflugiana Fabricius, 1787, *Mantissa Ins.*, **2**: 227.
Phalaena interrogationana Donovan, 1793, *Nat. Hist. Br. Ins.*, **2**: 75.
Phalaena tibialana Hübner, 1793, *Sammlung auserl. Vögel Schmett.*: 12.
Sciaphila sinica Walker, 1863, *List Specimens lepid. Ins. Colln. Br. Mus.*, **28**: 347.
Grapholitha clavigerana Walker, 1863, *List Specimens lepid. Ins. Coll. Br. Mus.*, **28**: 389.
Food plants: Asteraceae: *Artemisia argyi* Lévl. & Vant., *A. vulgaris* Linn.; Gramineae: *Phragmites communis* Trin. (KUZNETSOV, 2001; RAZOWSKI, 2001; LIU & LI, 2002).
Distribution: China (Tianjin, Hebei, Inner Mongolia, Jilin, Heilongjiang, Jiangsu, Zhejiang, Anhui, Fujian, Jiangxi, Shandong, Henan, Hubei, Hunan, Guangxi, Sichuan, Guizhou, Yunnan, Shaanxi, Gansu, Qinghai, Ningxia, Xinjiang, Taiwan), Mongolia, Korea, Japan, Thailand, India, Central Asia, Russia, Kazakhstan.
- Epiblema fuchsiana* (Rössler, 1877)
Grapholitha fuchsiana Rössler, 1877, *Stettin. ent. Ztg.*, **38**: 75.
Food plant: Fabaceae: *Chamaecytisus* sp. (RAZOWSKI, 2001).
Distribution: China (Gansu, new record for China), Russia, Kazakhstan.
- Epiblema graphana* (Treitschke, 1835)
Paedisca graphana Treitschke, 1835, *Schmett. Eur.*, **10**(3): 96.
Grapholitha pierretana Duponchel, 1836, *Hist. nat. Lépid. Papillons Fr.*, **9**: 566.
Food plants: Asteraceae: *Achillea millefolium* Linn., *Artemisia* sp. (RAZOWSKI, 2001).
Distribution: China, Iran, Afghanistan, Russia, Kazakhstan, Europe.
- Epiblema junctana* (Herrich-Schäffer, 1856)
Notocelia junctana Herrich-Schäffer, 1856, *Syst. Bearb. Schmett. Eur.*, **6**: 160.
Aspis jaspidana Christoph, 1872, *Horae Soc. ent. Ross.*, **9**: 12.
Epiblema maculiferana Kennel, 1900, *Dt. ent. Z. Iris*, **13**: 152.
Distribution: China (Henan, new record for China), Iran, Central Asia, Russia, Kazakhstan, Sweden, Europe.
- Epiblema rimosana* (Christoph, 1881)
Grapholitha rimosana Christoph, 1881, *Bull. Soc. Nat. Moscou*, **56**(1): 407.
Grapholitha rotundana Snellen, 1883, *Tijdschr. Entomol.*, **26**: 209.
Epiblema bimaculosana Caradja, 1916, *Dt. ent. Z. Iris*, **30**: 67. [nom. nudum.]
Distribution: China, Korea, Japan, Russia.
- Epiblema scutulana* ([Denis & Schiffermüller], 1775)
Tortrix scutulana [Denis & Schiffermüller], 1775, *Syst. Verz. Schmett. Wien. Gegend*: 131.
Ephippiphora luctuosana Duponchel, 1836, *Hist. Nat. Lépid. Papillons Fr.*, **9**: 326.
Tortrix Paedisca cirsiana Zeller, 1843, *Stettin. ent. Ztg.*, **4**: 150.
Ephippiphora novana Guenée, 1845, *Annls. Soc. ent. Fr.*, (2)**3**: 176.
Grapholitha pflugiana var. *alsaticana* Peyerimhoff, 1872, *Annls. Soc. ent. Fr.*, (5)**2**: 10.
Ephippiphora mortuana Doubleday, 1850, *Synon. List. Br. Lepid.*: 25.
Food plants: Asteraceae: *Carduus nutans* Linn., *Centaurea* sp., *Cirsium vulgae* (Savi) Ten., *Arc-tium* sp. (RAZOWSKI, 2001).
Distribution: China (Hebei, new record for China), Russia, Kazakhstan, Austria, West Europe.
- Epiblema sugii* Kawabe, 1976
Epiblema sugii Kawabe, 1976, *Tinea*, **10**(3): 42
Distribution: China (Xinjiang, new record for China), Japan.

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Epinotia Hübner, [1825]
 Verz. Bekannter Schmett.: 377.

- Astatia* Hübner, [1825], Verz. Bekannter Schmett.: 377.
Evetria Hübner, [1825], Verz. Bekannter Schmett.: 378.
Asthenia Hübner, [1825], Verz. Bekannter Schmett.: 381.
Acalla Hübner, [1825], Verz. Bekannter Schmett.: 385.
Panoplia Hübner, [1825], Verz. Bekannter Schmett.: 393.
Steganoptycha Stephens, 1829, Syst. Cat. Br. Insects, **2**: 176.
Poecilochroma Stephens, 1829, Syst. Cat. Br. Insects, **2**: 183.
Paedisca Treitschke, 1830, Schmett. Eur., **8**: 188.
Paragrapha Sodoffsky, 1837, Bull. Soc. Nat. Moscou, **6**: 92, 97. [unnecessary replacement name for *Paedisca*]
Phlaeodes Guenée, 1845, Annl. Soc. ent. Fr., (2) **3**: 172.
Hypermezia Guenée, 1845, Annl. Soc. ent. Fr., (2) **3**: 173.
Cartella Guenée, 1845, Annl. Soc. ent. Fr., (2) **3**: 174.
Pamplusia Guenée, 1845, Annl. Soc. ent. Fr., (2) **3**: 180.
Lithographia Stephens, 1852, List Specimens Br. Animals Colln Br. Mus., **10**: 32.
Halonota Stephens, 1852, List Specimens Br. Animals Colln Br. Mus., **10**: 45.
Catastega Clemens, 1861, Proc. Entomol. Soc. Philad., **1**: 86.
Proteopteryx Walsingham, 1879, Ill. Lepid. Heterocera Br. Mus., **25**: 852.
Neurasthenia Pierce & Metcalfe, 1922, Genitalia Br. Tortricidae: 65.
Hamuligera Obraztsov, 1946, Z. wien. Entomol. Ges., **30**(1945): 31.

Epinotia abnormana Kuznetsov, 1973

- Epinotia Panoplia abnormana* Kuznetsov, 1973, Entomol. Obozr., **52**(3): 683.
 Distribution: China (Shanxi, Gansu).

Epinotia aciculana Falkovitsh, 1965

- Epinotia aciculana* Falkovitsh, 1965, Entomol. Obozr., **44**: 414.
 Food plants: Pinaceae: *Picea asperata* Mast., *Abies fabri* Craib, *A. holophylla* Maxim., *A. nephrolepis* Maxim., *A. sachalinensis* (Schmidt.) Mast. (KUZNETSOV, 2001; LIU & LI, 2002).
 Distribution: China (Heilongjiang), Japan, Russia.

Epinotia bicolor (Walsingham, 1900)

- Pelatea bicolor* Walsingham, 1900, Ann. Mag. nat. Hist., (7)**6**: 335.
 Food plants: Fagaceae: *Quercus serrata* Thunb., *Q. glauca* Thunb., *Q. phillyreoides* A. Gray., *Q. acutissima* Carruth. (KUZNETSOV, 2001; LIU & LI, 2002).
 Distribution: China (Tianjin, Hebei, Fujian, Henan, Hubei, Hunan, Sichuan, Guizhou, Shaanxi, Gansu, Taiwan), Korea, Japan, Vietnam, India.

Epinotia brunnichiana (Linnaeus, 1767)

- Phalaena Tortrix brunnichiana* Linnaeus, 1767, Systema Naturae, (ed. 12)(1/2): 880.
Tortrix sinuana [Denis & Schiffermüller], 1775, Syst. Verz. Schmett. Wien. Gegend.: 131.
Tortrix rhenana Thunberg, 1791, Diss. Entomol. Sist. Ins. Svecica, **3**: 43.
Ephippiphora rectana Peyerimhoff, 1863, Bull. Soc. Hist. nat. Colmar, **3**(1862): 126.
Steganoptycha imprimata var. *lavata* Caradja, 1916, Dt. ent. Z. Iris, **30**: 61.
 Food plants: Betulaceae: *Betula ermanii* Cham., *B. ulmifolia* Sieb. et Zucc., *Alnus* sp.; Corylaceae: *Corylus* sp.; Salicaceae: *Salix* sp. (KUZNETSOV, 2001; RAZOWSKI, 2001).
 Distribution: China, Japan, Russia, Kazakstan, Europe.

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Epinotia contrariana (Christoph, 1881)

Grapholitha contrariana Christoph, 1881, *Bull. Soc. Nat. Moscou*, **56**(2): 424.

Food plants: Saxifragaceae: *Astilbe microphylla* Knoll.; Rosaceae: *Spiraea betulifolia* Pall., *S. media* Schmidt., *S. salicifolia* Linn., *S. crenata* Pall. (BYUN *et al.*, 1998; KUZNETSOV, 2001).

Distribution: China (Jilin, Heilongjiang, Guizhou, Shaanxi), Mongolia, Korea, Japan, Russia.

Epinotia corynetes Diakonoff, 1982

Epinotia corynetes Diakonoff, 1982, *Zool. Verh. (Leiden)*, **193**: 59.

Distribution: China (Yunnan, new record for China), Sri Lanka.

Epinotia cruciana (Linnaeus, 1761)

Phalaena Tortrix cruciana Linnaeus, 1761, *Fauna suecica*: 347.

Tortrix gyllenhahliana Thunberg, 1784, *Diss. Entomol. Sist. Ins. Svecica*, **1**: 22.

[*Tortrix*] *augustana* Hübner, [1813], *Sammlung eur. Schmett., Tortrices*: pl. 32, fig. 205.

Sciaphila direptana Walker, 1863, *List specimens Lepid. Insects Colln. Br. Mus.*, **28**: 338

Sciaphila vilisana Walker, 1863, *List specimens Lepid. Insects Colln. Br. Mus.*, **28**: 338

Enarmonia cockleana Kearfott, 1904, *Can. Ent.*, **36**: 137.

Epinotia cruciana lepida Heinrich, 1924, *J. Wash. Acad. Sci.*, **14**: 391.

Epinotia cruciana ab. *gradli* Rebel, 1929, *Verh. zool. bot. Wien.*, **79**: 49.

Hypermezia viminana Guenée 1845, *Annls. Soc. ent. Fr.*, (2)**3**: 173.

Grapholitha excoecana Herrich-Schäffer, 1851, *Syst. Bearb. Schmett. Eur.*, **4**: 272.

Pamplusia alticolana Stephens, 1852, *List Specimens Br Animals Br. Mus.*: 100.

Tortrix brunneana Frölich, 1828, *Enum. Tortr. Würtemb.*: 75.

Tortrix gyllenhahliana Wallengren, 1974, *Ins. Sv.*, **1**: 22.

Food plants: Salicaceae: *Salix purpurea* L., *S. viminalis* L., *S. caprea* L., *S. aurita* L., *S. rosmariniifolia* L., *S. cinerea oleifolia* L. (Sm.) Macreight, *S. rorida* Laksch., *S. sachalinensis* Fr. Schm.; Gentianaceae: *Gentiana scabra* Bunge, *G. pneumonanthe* L. (KUZNETSOV, 2001; RAZOWSKI, 2001; LIU & LI, 2002).

Distribution: China (Heilongjiang), Mongolia, Korea, Japan, Russia, Kazakhstan, Europe, Nearctic.

Epinotia evidens Kuznetsov, 1971

Epinotia evidens Kuznetsov, 1971, *Entomol. Obozr.*, **50**(2): 433.

Distribution: China (Yunnan).

Epinotia exquisitana (Christoph, 1882)

Steganoptycha exquisitana Christoph, 1882, *Bull. Soc. Nat. Moscou*, **56**(2): 428.

Eucosma pica Walsingham, 1900, *Ann. Mag. Nat. Hist.*, (7)**6**: 337.

Food plants: Rosaceae: *Malus manshurica* (Maxim.) Kom., *M. sachalinensis* Matsumura, *Cerasus maximowiczii* (Rupr.) Kom., *C. kurilensis* (Miyabe) Czer., *C. sachalinensis* (Fr. Schmidt) Kom., *Sorbus commixta* Hedlund, *Padus ssiori* (Schmidt) Schneid. (KUZNETSOV, 2001).

Distribution: China, Korea, Japan, Russia.

Epinotia fujisawai Kawabe, 1993

Epinotia fujisawai Kawabe, 1993, *Tinea*, **13**(22): 237.

Distribution: China (Taiwan).

Epinotia immundana (Fischer v. Röslerstamm, 1839)

Paedisca immundana Fischer v. Röslerstamm, 1839, *Abblid. Berichte Schmett.-Kunde*: 138.

Phlaeodes estreyerana Guenée, 1845, *Annls. Soc. ent. Fr.*, (2)**3**: 173.

Food plant: Betulaceae: *Alnus* sp. (LIU & LI, 2002).

Distribution: China (Qinghai), Russia, Europe.

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Epinotia lantana (Busck, 1910)*Crociosema lantana* Busck, 1910, *Proc. Ent. Soc. Washington*, **12**: 132.*Eucosma polyphaea* Turner, 1926, *Trans. Roy. Soc. Austral.*, **50**: 100.*Eucosma phaedropa* Turner, 1946, *Trans. Roy. Soc. Austral.*, **70**: 209.*Eucosma tornocosma* Turner, 1946, *Trans. Roy. Soc. Austral.*, **70**: 205.*Eucosma eridela* Turner, 1946, *Trans. Roy. Soc. Austral.*, **70**: 202.*Eucosma apicinota* Turner, 1946, *Trans. Roy. Soc. Austral.*, **70**: 206.*Eucosma perversa* Turner, 1946, *Trans. Roy. Soc. Austral.*, **70**: 207.Food plant: Verbenaceae: *Lantana camara* Linn. (CLARKE, 1976).

Distribution: China (Taiwan), Sri Lanka, Australia, America, Mexico.

Epinotia maculana (Fabricius, 1775)*Pyalis maculana* Fabricius, 1775, *Syst. ent.*: 647.[*Tortrix*] *ophthalmicana* Hübner, [1799], *Sammlung eur. Schmett.*, *Tortrices*: pl. 9, fig. 51.*Tortrix ophthalmica* Frölich, 1828, *Enumeratio Tortr. Würtemb.*: 43.Food plant: Salicaceae: *Populus tremula* Linn. (KUZNETSOV, 2001).

Distribution: China (Jilin), Japan, Russia, Europe.

Epinotia majorana (Caradja, 1916)*Gypsonoma majorana* Caradja, 1916, *Dt. ent. Z. Iris*, **30**: 61.*Eucosma leucantha* Meyrick, 1931, *Exotic Microlepid.*, **4**: 145.Food plants: Umbelliferae: *Heracleum moellendorfii* Hance, *Daucus carota* var. *sativa* DC.; Betulaceae: *Betula dahurica* Pall. (BYUN *et al.*, 1998; KUZNETSOV, 2001).

Distribution: China (Northeast Part), Korea, Japan, Russia.

Epinotia melanostica (Wileman & Stringer, 1929)*Eucosma melanostica* Wileman & Stringer, 1929, *Entomologist*, **62**: 67.

Distribution: China (Taiwan).

Epinotia monticola Kawabe, 1993*Epinotia monticola* Kawabe, 1993, *Tinea*, **13**(22): 238.

Distribution: China (Taiwan).

Epinotia nemorivaga (Tengström, 1848)*Coccyx nemorivaga* Tengström, 1848, *Notis Sällsk. Fauna Flora Fenn. Förch.*, **1**: 88.*Tortrix Steganoptycha rhododendrana* Henrich-Schäffer, 1851, *Syst. Bearb. Schmett. Eur.*, **4**: 281.? *Coccyx finimitamana* Dumbleday, 1859, *Synon. List Br. Butterflies Moths*: 24.

Distribution: China (Henan, Sichuan, Guixhou, Shaanxi, Gransk, new record for China), Central Europe.

Epinotia nisella (Clerck, 1759)[*Phalaena*] *nisella* Clerck, 1759, *Icones Insect.*: pl. 12, fig. 6.*Phalaena pavonana* Donovan, 1793, *Nat. Hist. Br. Insects*, **2**: pl. 58, fig. 3.*Tortrix cuspidana* Haworth, 1811, *Lepid. Br.*: 451.? *Tortrix rhombifasciana* Haworth, 1811, *Lepid. Br.*: 451.? *Tortrix stictana* Haworth, 1811, *Lepid. Br.*: 451.*Tortrix cinerea* Haworth, 1811, *Lepid. Br.*: 451.[*Tortrix*] *siliceana* Hübner, [1813], *Sammlung eur. Schmett.*, *Tortrices*: pl. 31, fig. 195.[*Tortrix*] *petrana* Hübner, [1813], *Sammlung eur. Schmett.*, *Tortrices*: pl. 33, fig. 210.[*Tortrix*] *decorana* Hübner, [1813], *Sammlung eur. Schmett.*, *Tortrices*: pl. 42, fig. 265.Food plants: Betulaceae: *Betula* sp.; Salicaceae: *Populus* sp., *Salix caprea* Linn., *S. cinerea* Linn.,

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Populus tremula Linn., *P. davidiana* Dode, *P. suaveolens* Fisch., *P. koreana* Rehd., *P. maximowiczii* Henry, *P. nigra* Linn. (KUZNETSOV, 2001; RAZOWSKI, 2001; LIU & LI, 2002).

Distribution: China (Hebei, Jilin, Heilongjiang, Tibet, Gansu, Qinghai, Xinjiang), Mongolia, Japan, Russia, Kazakstan, Europe, Nearctic.

Epinotia notoceliana Kuznetsov, 1985

Epinotia notoceliana Kuznetsov, 1985, *Vestn. Zool.*, **1985**(5): 5.

Distribution: China (Hebei, new record for China), Russia.

Epinotia pentagonana (Kennel, 1901)

Epiblema pentagonana Kennel, 1901, *Dt. ent. Z. Iris*, **13**: 289.

Epinotia Steganoptycha maculosa Kuznetsov, 1966, *Trudy zool. Inst. Leningr.*, **37**: 177.

Food plant: Ulmaceae: *Ulmus laciniata* (Trautv.) Mayr (RAZOWSKI, 2001).

Distribution: China (Jilin), Korea, Japan, Russia.

Epinotia piceicola Kuznetsov, 1970

Epinotia piceicola Kuznetsov, 1970, *Entomol. Obozr.*, **49**: 437.

Epinotia (Steganoptycha) piceae Kuznetsov, 1968, *Entomol. Obozr.*, **47**: 569.

Food plant: Pinaceae: *Picea glehnii* (F. Schmidt) Mast. (KUZNETSOV, 2001).

Distribution: China (Taiwan), Japan, Russia.

Epinotia pinicola Kuznetsov, 1969

Epinotia pinicola Kuznetsov, 1969, *Entomol. Obozr.*, **48**(2): 368.

Food plant: Pinaceae: *Pinus pumila* (Pull.) Regel (KUZNETSOV, 2001).

Distribution: China (Henan, Sichuan, new record for China), Korea, Japan, Russia.

Epinotia ramella (Linnaeus, 1758)

Phalaena Tinea ramella Linnaeus, 1758, *Systema Naturae*, (ed. 10): 540.

Steganoptycha ramana Herrich-Sch ffer, 1851, *Syst. Bearb. Schmett. Eur.*, **4**: 279.

Tortrix paykulliana Fabricius, 1787, *Mantissa Ins.*, **2**: 235.

Tortrix sesquilunana Haworth, 1811, *Lepid. Br.*: 435.

Grapholitha costana Duponchel, 1934, *Hist. nat. L pid Papillons Fr.*, **9**: 510.

Food plants: Betulaceae: *Betula* sp.; Salicaceae: *Populus* sp. (LIU & LI, 2002).

Distribution: China (Hebei, Inner Mongolia, Jilin, Heilongjiang, Sichuan, Gansu, Qinghai, Ningxia), Japan, Russia, Kazakstan, Europe.

Epinotia rasdolnyana (Christoph, 1882)

Steganoptycha rasdolnyana Christoph, 1882, *Bull. Soc. Nat. Moscou*, **56**(2): 247.

Food plants: Aceraceae: *Acer pictum* Thunb. ex Murray., *A. ukurunduense* Trautv. et Mey. (KUZNETSOV, 2001).

Distribution: China (Northeast Part, Taiwan), Korea, Japan, Russia.

Epinotia rubiginosana koraiensis Falkovitsh, 1965

Epinotia rubiginosana koraiensis Falkovitsh, 1965, *Entomol. Obozr.*, **44**: 426.

Food plants: Pinaceae: *Pinus koraiensis* Sieb. et Zucc., *P. strobus* Linn., *P. densiflora* Sieb. et Zucc. (LIU & LI, 2002).

Distribution: China (Jiangxi), Korea, Japan, Russia.

Epinotia rubiginosana rubiginosana (Herrich-Sch ffer, 1851)

Steganoptycha rubiginosana Herrich-Sch ffer, 1851, *Syst. Bearb. Schmett. Eur.*, **4**: 282.

[Gen?] *bouchardana* Wilkinson, 1856, *Br. Tortr.*: 186.

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Retinia incognatana Peyerimhoff, 1863, *Bull. Soc. Hist. nat. Colmar*, **3**(1863): 134.
Food plants: Pinaceae: *Pinus tabulaeformis* Carr., *P. sylvestris* Linn., *Picea excelsa* (Lam.) Link
(RAZOWSKI, 2001; LIU & LI, 2002).

Distribution: China (Beijing, Tianjin, Jiangxi, East China, Shaanxi), Japan, Russia, Europe, Nearctic.

Epinotia rubricana Kuznetsov, 1968

Epinotia rubricana Kuznetsov, 1968, *Entomol. Obozr.*, **47**: 575.

Distribution: China (Taiwan), Korea, Japan, Russia.

Epinotia salicicolana Kuznetsov, 1968

Epinotia salicicolana Kuznetsov, 1968, *Entomol. Obozr.*, **47**: 577.

Food plants: Salicaceae: *Salix caprea* Linn., *S. sachalinensis* Fr. Schm. (KUZNETSOV, 2001).

Distribution: China (Shaanxi, Taiwan), Japan, Russia.

Epinotia signatana (Douglas, 1845)

Sericoris signatana Douglas, 1845, *The Zoologist*, **3**: 844.

Grapholitha padana Lienig & Zeller, 1846, *Isis, Leipzig*: 243.

Grapholitha kroesmanniana Heinemann, 1863, *Schmett. Deutsch. Schweiz.*, **2**(1): 147.

Food plants: Rosaceae: *Prunus spinosa* Linn., *Padus avium* Mill., *P. asiatica* Kom., *P. ssiori* (Schmidt) Schneid., *Cerasus* sp., *Malus sylvestris* Mill., *Crataegus* sp. (KUZNETSOV, 2001; RAZOWSKI, 2001).

Distribution: China (Jilin, Shaanxi), Korea, Japan, Burma, Russia, England, Europe.

Epinotia solandriana (Linnaeus, 1758)

Phalaena Tortrix solandriana Linnaeus, 1758, *Systema Naturae*, (ed. 10): 532.

Pyrallis trapezana Fabricius, 1787, *Mantissa Ins.*, **2**: 228.

Phalaena Tortrix semimaculana Hübner, 1793, *Samml. auser. Vögel Schmett.*: 8.

[*Tortrix*] *parmatana* Hübner, [1817], *Sammlung eur. Schmett., Tortrices*: pl. 40, fig. 254.

Tortrix semilunana Frölich, 1828, *Enumeratio Tortr. Würtemb.*: 45.

Food plants: Betulaceae: *Corylus* sp., *Alnus* sp., *Betula* sp.; Rosaceae: *Prunus* sp.; Salicaceae: *Salix caprea* Linn., *Populus tremula* Linn. (RAZOWSKI, 2001).

Distribution: China (Jilin, Heilongjiang, Shaanxi, Gansu, Qinghai), Korea, Japan, Russia, Europe, Nearctic.

Epinotia tenerana kurilensis Kuznetsov, 1968

Epinotia tenerana kurilensis Kuznetsov, 1968, *Entomol. Obozr.*, **47**: 575.

Distribution: China (Jilin, new record for China), Japan, Russia.

Epinotia tenerana tenerana ([Denis & Schiffermüller, 1775])

Tortrix tenerana tenerana [Denis & Schiffermüller, 1775], *Syst. Verz. Schmett. Wien. Gegeng.*: 129.

Tortrix retusana Haworth, 1811, *Lepid. Br.*: 453.

Grapholitha oblitana Duponchel, 1843, *Hist. nat. Lépid. Papillons Fr., Suppl.*, **4**: 156.

Mixodia eranna Guenée, 1845, *Annls Soc. ent. Fr.*, (2)**3**: 160.

Food plants: Betulaceae: *Alnus cremastogyne* Burkill, *A. hirsute* Turcz., *Betula* sp., *Corylus heterophylla* Fisch. et Bess., *C. avellana* L.; Ulmaceae: *Ulmus pumila* L.; Fagaceae: *Quercus serrata* Thunb. (KUZNETSOV, 2001; RAZOWSKI, 2001).

Distribution: China (Jilin, Heilongjiang), Korea, Japan, Russia, West Europe.

Epinotia thaiensis Kawabe, 1995

Epinotia thaiensis Kawabe, 1995, *Microlepidoptera of Thailand*, **3**: 54.

Distribution: China (Anhui), Thailand.

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Epinotia thapsiana (Zeller, 1847)*Penthina thapsiana* Zeller, 1847, *Isis*, Leipzig: 654.Food plants: Apiaceae: *Thapsia villosa* L., *Ferula communis* L., *Laserpitium gallicum* Scop., *Foeniculum officinale* All., *Crithmum maritimum* L.; Oleaceae: *Ligustrum pyrenaicum* L. (RAZOWSKI, 2001).

Distribution: China (Tianjin, Zhejiang, Anhui, Guizhou, Shaanxi, new record for China), Korea, Iran, Russia, Kazakhstan, Tadzhikistan, Turkmenia, Europe.

Epinotia tianshanensis Liu & Nasu, 1993*Epinotia tianshanensis* Liu & Nasu, 1993, *Tyô to Ga*, **44**(2): 60.Food plant: Pinaceae: *Picea schrenkiana* Fisch. et Mey. (LIU & LI, 2002).

Distribution: China (Xinjiang).

Epinotia ulmi Kuznetsov, 1966*Epinotia ulmi* Kuznetsov, 1966, *Trudy zool. Inst. Leningr.*, **37**: 182.Food plant: Ulmaceae: *Ulmus propinqua* Koidz. (KUZNETSOV, 2001).

Distribution: China (Jilin), Korea, Japan, Russia.

Epinotia ulmicola Kuznetsov, 1966*Epinotia ulmicola* Kuznetsov, 1966, *Trudy zool. Inst. Leningr.*, **37**: 179.Food plant: Ulmaceae: *Ulmus propinqua* Koidz. (KUZNETSOV, 2001).

Distribution: China (Guizhou, Shaanxi, Gansu), Korea, Japan, Russia.

Eucoenogenes Meyrick, 1939*Trans. ent. Soc. London*, **89**(1938): 49.*Caenogenes* Meyrick, 1937, *Exot. Microlepid.*, **5**: 159. [preoccupied]*Eucoenogenes aestuosa* (Meyrick, 1912)*Spilonota aestuosa* Meyrick, 1912, *J. Bombay nat. Hist. Mus.*, **21**: 854.*Acroclita ligyropis* Meyrick, 1937, In CARADJA & MEYRICK, *Dt. ent. Z. Iris*, **51**: 176.Food plants: Fagaceae: *Castanea mollissima* Blume, *C. cranata* Sieb. et Zucc. (KUZNETSOV, 2001; LIU & LI, 2002).

Distribution: China (Liaoning, Zhejiang, Anhui, Henan, Hubei, Guangxi, Sichuan, Yunnan), Korea, Japan, India, Bengal.

Eucoenogenes japonica Kawabe, 1978*Eucoenogenes japonica* Kawabe, 1978, *Tinea*, **10**(19): 185.

Distribution: China (Zhejiang, Anhui, Fujian, Henan, Hubei, Sichuan, Guizhou, Shaanxi, Taiwan), Korea, Japan.

Eucoenogenes teliferana (Christoph, 1882)*Grapholitha teliferana* Christoph, 1882, *Bull. Soc. Nat. Moscou*, **56**(2): 415.Food plant: Betulaceae: *Corylus mandshurica* Maxim. (KUZNETSOV, 2001).

Distribution: China (Jilin), Korea, Japan, Russia.

Eucosma Hübner, [1823]*Zütrüge Samml. Exotische Schmett.*, **2**: 28.*Catoptria* Guenée, 1845, *Annls. Soc. ent. Fr.*, (2)**3**: 187. [preoccupied by *Catoptria* Hübner, [1825], Pyralidae]

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Calosetia Wilkinson, 1859, *Br. Tortricidae*: 279, 294.
Pygolopha Lederer, 1859, *Wien. Entomol. Mschr.*, **3**: 123, 279.
Affa Walker, 1863, *List Specimens lepid. Ins. Colln. Br. Mus.*, **27**: 202.
Exentera Grote, 1877, *Can. Entomol.*, **9**: 227.
Exenterella Grote, 1883, *Can. Entomol.*, **15**: 23. [unnecessary replacement name for *Exentera*]
Palpocrinia Kennel, 1919, *Mitt. Münch. Entomol. Ges.*, **8**(1917-18): 66.

Eucosma abacana (Erschoff, 1877)
Grapholitha abacana Erschoff, 1877, *Horae Soc. ent. Ross.*, **12**(1876): 342.
 Food plant: Asteraceae: *Artemisia* sp. (LIU & LI, 2002).
 Distribution: China (Hebei, Inner Mongolia, Jilin, Heilongjiang, Gansu, Qinghai, Ningxia), Mongolia, Japan, Russia, Kazakhstan.

Eucosma aemulana (Schläger, 1849)
Grapholitha aemulana Schläger, 1849, *Berl. Lepid. Tauschver. Jena*: 38.
 Food plants: Asteraceae: *Solidago virgaurea* L., *Aster tripolium* L. (KUZNETSOV, 2001).
 Distribution: China (Tianjin, Shanxi, Zhejiang, Anhui, Fujian, Henan, Sichuan, Guizhou, Shaanxi, Gansu), Korea, Russia, Germany.

Eucosma agnatana (Christoph, 1872)
Grapholitha agnatana Christoph, 1872, *Horae Soc. ent. Ross.*, **9**: 15.
 Distribution: China (Hebei, Shanxi, Inner Mongolia, Shaanxi, Qinghai, new record for China), Mongolia, Russia, Kazakhstan, Europe.

Eucosma apocrypha Falkovitsh, 1964
Eucosma Phaneta apocrypha Falkovitsh, 1964, *Trudy zool. Inst. Leningr.*, **34**: 280.
 Distribution: China (Inner Mongolia, Sichuan, new record for China), Mongolia, Russia, Kazakhstan, East Europe.

Eucosma aspidiscana (Hübner, [1817])
 [Tortrix] *aspidiscana*, Hübner, [1817], *Sammlung eur. Schmett., Tortrices*: pl. 41, fig. 256.
 ?*Pyrallis obscurana* Fabricius, 1798, *Suppl. Entomol. Syst.*: 476.
 ?[Tortrix] *zachana* Hübner, [1817], *Sammlung eur. Schmett., Tortrices*: pl. 38, fig. 243.
Phoxopteris dahlbomiana Zetterstedt, 1840, *Ins. Lapponica*: 987.
Grapholitha rubescana Constant, 1895, *Bull. Soc. ent. Fr.*: 51.
 Food plants: Asteraceae: *Solidago* sp., *Aster* sp. (KUZNETSOV, 2001).
 Distribution: China (Anhui, Henan, Shaanxi, Gansu), Mongolia, Korea, Japan, Russia, Europe, North Africa.

Eucosma atelosticta Meyrick, 1925
Eucosma atelosticta Meyrick, 1925, In CARADJA, *Acad. Romana, Mem. Sect. Stiint. Ser. III, Tom. III, Mem.*, **7**: 120.
 Distribution: China (Shanghai).

Eucosma aurantiradix Kuznetsov, 1962
Eucosma aurantiradix Kuznetsov, 1962, *Bull. Soc. ent. Mulhouse*, **1962**: 55.
 Distribution: China, Mongolia, Russia.

Eucosma brachysticta Meyrick, 1935
Eucosma brachysticta Meyrick, 1935, In CARADJA & MEYRICK, *Mater. Microlepid. Fauna Chin. Prov.*: 55.

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Distribution: China (Tianjin, Jiangsu, Sichuan, Ningxia).

Eucosma caliacrana (Caradja, 1931)

Semasia caliacrana Caradja, 1931, *Mem. Sect. Stii. Acad. Roum.*, (3)7(8): 329.

Semasia luciana Kennel, 1919, *Mitt. m. ch. Entomol. Ges.*, **8**: 81. [preoccupied by *Epiblema luciana* Chrétien, 1908]

Semasia luciana Caradja, 1916, *Dt. ent. Z. Iris*, **30**: 63. [nom. nudum.]

Eucosma Phaneta galactica Obraztsov, 1968, *Tijdschr. Entomol.*, **111**: 247. [nom. nov.]

Semasia nessebarana Soffner, 1962, *Dt. Entomol. Zschr., N.F.*, **9**: 140.

Distribution: China, Mongolia, Japan, Russia, Romania, Bulgaria, East Europe.

Eucosma campoliliana ([Denis & Schiffermüller], 1775)

Tortrix campoliliana [Denis & Schiffermüller], 1775, *Syst. Verz. Schmett. Wien. Gegend*: 318.

Tortrix nigromaculana Haworth, 1811, *Lepid. Br.*: 436.

Grapholitha freyeriana Fischer v. Röslerstamm, 1839, *Abbild. Ber. Egr. Schmett.-Kunde*: 132.

Grapholitha capitivivana Bruand, 1850, *Mém. Soc. emul. Doubs*, (1848)3(2): 91.

Steganoptycha nigromaculana var. *ussuriana* Caradja, 1916, *Dt. ent. Z. Iris*, **30**: 60.

Food plants: Asteraceae: *Senecio jacobaea* L., *Tephrosieris* sp. (KUZNETSOV, 2001; LIU & LI, 2002).

Distribution: China (Jilin, Heilongjiang), Japan, Russia, Austria, Europe.

Eucosma cana (Haworth, 1811)

Tortrix cana Haworth, 1811, *Lepid. Br.*: 456.

[*Tortrix*] *monetulana* Hübner, [1817], *Sammlung eur. Schmett., Tortrices*: pl. 41, fig. 257.

Catoptria carduana Guenée, 1845, *Annls Soc. ent. Fr.*, (2)3: 188.

?*Pyralis marmorana* Fabricius, 1798, *Suppl. Entomol. syst.*: 477.

Grapholitha subvittana Staudinger, 1892, *Dt. ent. Z. Iris*, **5**: 299.

Food plants: Asteraceae: *Cirsium* sp., *Carduus* sp., *Centaurea* sp. (KUZNETSOV, 2001).

Distribution: China (Zhejiang, Fujian, Henan, Guangdong, Yunnan, Shaanxi, Gansu, Xinjiang), Japan, Central Asia, Russia, Kazakhstan, Europe.

Eucosma catharaspis (Meyrick, 1922)

Ancylis catharaspis Meyrick, 1922, *Exotic Microlepid.*, **2**: 514.

Distribution: China (Jilin, Shanghai, Henan, Anhui), Korea, Japan, Russia.

Eucosma chionophricta Meyrick, 1922

Eucosma chionophricta Meyrick, 1922, *Exotic Microlepid.*, **2**: 515.

Distribution: China (Shanghai).

Eucosma chloromima Meyrick, 1931

Eucosma chloromima Meyrick, 1931, *Bull. Sect. scient. Acad. roum.*, **14**: 65.

Distribution: China (Guangxi, Sichuan), Kashmir, India.

Eucosma chlorosticha Meyrick, 1934

Eucosma chlorosticha Meyrick, 1934, *Dt. ent. Z. Iris*, **48**: 31.

Distribution: China (Liaoning).

Eucosma conterminana (Guenée, 1845)

Catoptria conterminana Guenée, 1845, *Annls Sc. ent. Fr.*, (2)3: 189.

Eucosma caecimaculata Duponchel, 1835, *Hist. Nat. Lépid. Papillons Fr.*, **9**: pl. 249. [misident.]

Food plants: Asteraceae: *Lactuca serriola* L., *L. scariola* L., *L. virosa* L. (KUZNETSOV, 2001).

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Distribution: China (Hebei, Inner Mongolia, Ningxia, Xinjiang), Mongolia, Iran, Central Asia, Russia, Kazakstan, Europe.

Eucosma denigratana (Kennel, 1901)

Epiblema denigratana Kennel, 1901, *Dt. ent. Z. Iris*, **13**(1900): 281.

Distribution: China (Hebei, Heilongjiang), Korea, Japan, Russia.

Eucosma discernata Kuznetsov, 1966

Eucosma discernata Kuznetsov, 1966, *Trudy zool. Inst. Leningr.*, **37**: 194.

Distribution: China (Northeast Part), Japan, Russia.

Eucosma explicatana (Kennel, 1900)

Steganoptycha explicatana Kennel, 1900, *Dt. ent. Z. Iris*, **13**: 141.

Food plant: Asteraceae: *Hypoestes cumingiana* Benth. et Hook. (LIU & LI, 2002).

Distribution: China (Heilongjiang, Northwest Part), Mongolia, Japan, Russia, Kazakstan, Europe.

Eucosma flavispectula Kuznetsov, 1964

Eucosma flavispectula Kuznetsov, 1964, *Trudy zool. Inst. Leningr.*, **34**: 260.

Distribution: China (Tianjin, Hebei, Shanxi, Inner Mongolia, Heilongjiang, Zhejiang, Shaanxi, Ningxia, new record for China), Mongolia, Russia, Kazakstan, Europe.

Eucosma fuscida Kuznetsov, 1966

Eucosma fuscida Kuznetsov, 1966, *Trudy zool. Inst. Leningr.*, **37**: 191.

Distribution: China (Northeast Part), Japan, Russia.

Eucosma getonia Razowski, 1972

Eucosma getonia Razowski, 1972, *Acta zool. cracov.*, **17**(5): 140.

Distribution: China (Hebei, Inner Mongolia, new record for China), Mongolia, Russia.

Eucosma glebana (Snellen, 1883)

Grapholitha Semasia glebana Snellen, 1883, *Tijdschr. Entomol.*, **26**: 206.

Thiodia sinensis Walsingham, 1900, *Ann. Mag. nat. Hist.*, (7)**6**: 406.

Distribution: China (Zhejiang, Shaanxi), Korea, Japan, Russia.

Eucosma haberhaueri (Kennel, 1901)

Epiblema haberhaueri Kennel, 1901, *Dt. ent. Z. Iris*, **13**(1900): 280.

Distribution: China (Xinjiang), Uzbekistan, Kirggizia/Kazakstan.

Eucosma hohenwartiana ([Denis & Schiffermüller], 1775)

Tortrix hohenwartiana [Denis & Schiffermüller], 1775, *Syst. Verz. Schmett. Wien. Gegend*: 129.

?*Phalaena cervana* Scopoli, 1763, *Ent. Carn.*: 234.

Grapholitha hohenwartiana Treitschke, 1829, *Schmett. Eur.*, **7**: 232. [subs. inc. spell.]

?*Carpocapsa strigana* Curtis, 1831, *Br. Entomol. expl.*: pl. 352.

Semasia decipiana Harpe, 1858, *Neue Denkschr. Allgem. Schweiz. Ges. Naturw.*, **6**: 93.

Food plants: Asteraceae: *Centaurea cyanus* L., *C. scabiosa* L., *C. jacea* L., *Serratula tinctoria* L., *Carduus* sp., *Cirsium* sp., *Picris* sp. (KUZNETSOV, 2001; LIU & LI, 2002).

Distribution: China (Heilongjiang, Jiangxi, West Part), Central Asia, Austria, Europe, North Africa.

Eucosma ignotana (Caradja, 1916)

Semasia ignotana Caradja, 1916, *Dt. ent. Z. Iris*, **30**: 64.

Distribution: China (Inner Mongolia, Sichuan, Shaanxi, Qinghai, new record for China), Russia.

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Eucosma magnana Kuznetsov, 1978

Eucosma magnana Kuznetsov, 1978, *Keys to identification of the insects of European part of USSR*, **4**: 531.

Food plants: Asteraceae: *Serratula hirsuta* L., *S. tinctoria* L. (RAZOWSKI, 2001).

Distribution: China (Inner Mongolia, new record for China), Germany, France, Switzerland, Italy.

Eucosma messingiana (Fischer v. Röslerstamm, 1837)

Grapholitha messingiana Fischer v. Röslerstamm, 1837, *Abbild. Berichte Schmett.-Kunde*: 89.

Distribution: China (Hebei, Inner Mongolia, new record for China), Mongolia, Russia, Europe.

Eucosma metana (Kennel, 1919)

Semasia metana Kennel, 1919, *Mitteil. Münchn. Entom. Ges.*, **8**: 84.

Distribution: China (Shanghai).

Eucosma metzneriana (Treitschke, 1830)

Cochylis metzneriana Treitschke, 1830, *Schmett. Eur.*, **8**: 277.

Grapholitha Semasia anserana Heinemann, 1863, *Schmett. Deutschl. Schweiz*, (2)**1**: 169.

Thiodia intacta Walsingham, 1900, *Ann. Mag. nat. Hist.*, (7)**6**: 405.

Food plants: Asteraceae: *Artemisia argyi* Lévl. et Vant., *A. campestris* Linn., *A. vulgaris* Linn., *A. absinthium* Linn., *Conyza blinii* Lévl. (LIU & LI, 2002).

Distribution: China (Henan, Hubei, Guangxi, Tibet, Shaanxi, Gansu, Xinjiang), Mongolia, Korea, Japan, Iran, Russia, Kazakstan, Hungarian, Europe, North Africa.

Eucosma muguraxana Kostyuk, 1975

Eucosma muguraxana Kostyuk, 1975, *Vest. Zool.*, **1975**(2): 63.

Distribution: China, Russia.

Eucosma nitorana Kuznetsov, 1962

Eucosma nitorana Kuznetsov, 1962, *Bull. Soc. ent. Mulhouse*: 57.

Distribution: China, Russia.

Eucosma niveicaput (Walsingham, 1900)

Thiodia niveicaput Walsingham, 1900, *Ann. Mag. Nat. Hist.*, (7)**6**: 406.

Distribution: China (Shaanxi, Gansu, new record for China), Japan, Russia.

Eucosma obumbratana (Lienig & Zeller, 1846)

Grapholitha obumbratana Lienig & Zeller, 1846, *Isis, Leipzig*: 240.

Grapholitha westwoodiana Doubleday, 1850, *Synon. List. Br. Lepid.*: 26.

Semasia ibiceana Herrich-Schäffer, 1851, *Syst. Bearb. Schmett. Eur.*, **4**: 249.

Semasia laharpana de La Harpe, 1858, *Neue Denkschr. all-gem. Schweiz. Ges. Naturw.*, (1)**6**: 97.

Food plants: Asteraceae: *Picris hieracioides* L., *Centaurea jacea* L., *Sonchus arvensis* L. (KUZNETSOV, 2001).

Distribution: China (Jilin), Russia, Kazakstan, Europe.

Eucosma ochricostana Razowski, 1972

Eucosma ochricostana Razowski, 1972, *Acta zool. cracov.*, **17**(5): 126.

Distribution: China (Jilin).

Eucosma ommatoptera kurilensis Kuznetsov, 1968

Eucosma ommatoptera kurilensis Kuznetsov, 1968, *Entomol. Obozr.*, **47**: 579.

Food plant: Asteraceae: *Artemisia* sp. (KUZNETSOV, 2001).

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Distribution: China (Henan, Yunnan), Russia.

Eucosma ottoniana (Kennel, 1918)

Palpocrinia ottoniana Kennel, 1918, *Mitt. münch. Ent. Ges.*, **8**(11-12): 66.

Distribution: China, Russia.

Eucosma pentagonaspis Meyrick, 1931

Eucosma pentagonaspis Meyrick, 1931, *Exotic Microlepid.*, **4**: 144.

Distribution: China (Taiwan).

Eucosma pergratana (Rebel, 1914)

Steganoptycha pergratana Rebel, 1914, *Dt. ent. Z. Iris*, **28**: 274.

Distribution: China, Mongolia, Kazakstan.

Eucosma pupillana (Clerck, 1759)

[*Phalaena*] *pupillana* Clerck, 1759, *Icones Ins.*: pl. 11, fig. 9.

[*Tortrix*] *absinthiana* Hübner, [1799], *Sammlung eur. Schmett., Tortrices*: pl. 6, fig. 34.

Olethreutes absinthiana Hübner, 1822, *Syst.-alphab. Verz.*: 58. [injust. emend.]

Food plant: Asteraceae: *Artemisia absinthium* Linn. (KUZNETSOV, 2001; LIU & LI, 2002).

Distribution: China (Heilongjiang, Shaanxi, Qinghai, Xinjiang), Iran, Kazakstan, Tadzhikistan, Europe.

Eucosma rigidana (Snellen, 1883)

Grapholitha Semasia rigidana Snellen, 1883, *Tijdschr. Entomol.*, **26**: 203.

Epiblema subrigidana Caradja, 1916, *Dt. ent. Z. Iris*, **30**: 66.

Distribution: China (Gansu), Korea, Japan, Russia.

Eucosma scorzonerana (Benander, 1942)

Epiblema scorzonerana Benander, 1942, *Opusc. Entomol.*, **7**: 46.

Distribution: China (Jilin, Gansu, Xinjiang, new record for China), Russia, Kazakstan, Sweden, East Europe.

Eucosma scutiformis Meyrick, 1931

Eucosma scutiformis Meyrick, 1931, *Bull. Sect. Sti. Acad. Roum.*, **14**: 64.

Distribution: China (Sichuan), Japan.

Eucosma striatiradix Kuznetsov, 1964

Eucosma striatiradix Kuznetsov, 1964, *Trudy zool. Inst. Leningr.*, **34**: 262.

Distribution: China (Jilin), Korea, Japan, Russia.

Eucosma striatulana (Walsingham, 1900)

Tortrix striatulana Walsingham, 1900, *Ann. Mag. nat. Hist.*, **7**(5): 456.

Distribution: China (Hubei), Japan.

Eucosma tholeropis Meyrick, 1934

Eucosma tholeropis Meyrick, 1934, *Dt. ent. Z. Iris*, **48**: 32.

Distribution: China (Shanghai).

Eucosma tundrana (Kennel, 1900)

Semasia tundrana Kennel, 1900, *Dt. ent. Z. Iris*, **13**: 148.

Semasia cordulana Rebel, 1917, *Dt. ent. Z. Iris*, **30**: 192.

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Food plant: Asteraceae: *Astemisa* sp. (RAZOWSKI, 2001).

Distribution: China (Hebei, Shanxi, Inner Mongolia, Heilongjiang, Guangxi, Shaanxi, Gansu, Ningxia, Xinjiang), Russia, Kazakstan, Europe.

Eucosma wimmerana (Treitschke, 1835)

Grapholitha wimmerana Treitschke, 1835, *Schmett. Eur.*, **10**(3): 111.

Grapholitha incana Lienig & Zeller, 1846, *Isis, Leipzig*: 239.

Semasia gracilis Filipjev, 1924, *Jahrb. Martianov. Staatsmus.*, **2**(3): 61.

Distribution: China (Tianjin, Hebei, Henan, Shaanxi, Gansu, Xinjiang, new record for China), Mongolia, Japan, Russia, Kazakstan, East Europe.

Gibberifera Obraztsov, 1946

Z. wien. Entomol. Ges., **30**: 26, 35.

Gibberifera glaciata (Meyrick, 1907)

Cydia glaciata Meyrick, 1907, *J. Bombay nat. Hist. Soc.*, **18**: 143.

Food plant: Salicaceae: *Salix* sp. (LIU & LI, 2002).

Distribution: China (Henan, Hunan, Sichuan, Guizhou, Yunnan, Tibet, Taiwan), Thailand, India, Nepal, Pakistan.

Gibberifera hepaticana Kawabe & Nasu, 1994

Gibberifera hepaticana Kawabe & Nasu, 1994, *Tyô to Ga*, **45**(2): 89.

Distribution: China (Sichuan, Guizhou), Japan.

Gibberifera mienshana Kuznetsov, 1971

Gibberifera mienshana Kuznetsov, 1971, *Entomol. Obozr.*, **50**: 430.

Distribution: China (Shanxi), Russia.

Gibberifera monticola Kuznetsov, 1971

Gibberifera monticola Kuznetsov, 1971, *Entomol. Obozr.*, **50**: 428.

Distribution: China (Sichuan, Yunnan).

Gibberifera qingchengensis Nasu & Liu, 1996

Gibberifera qingchengensis Nasu & Liu, 1996, *Tinea*, **15**(1): 69.

Distribution: China (Tianjin, Sichuan, Guizhou).

Gibberifera simplana (Fischer v. Röslerstamm, 1836)

Penthina simplana Fischer v. Röslerstamm, 1836, *Abbild. Ber. Schmett.-Kunde*: 38.

Food plants: Salicaceae: *Populus tremula* L., *Salix* sp. (LIU & LI, 2002).

Distribution: China (Hebei, Jilin, Henan, Hubei, Hunan, Shaanxi, Gansu, Taiwan), Korea, Japan, Russia, Europe.

Gibberifera yadongensis Nasu & Liu, 1996

Gibberifera yadongensis Nasu & Liu, 1996, *Tinea*, **15**(1): 71.

Distribution: China (Sichuan, Tibet).

Gravitarmata Obraztsov, 1946

Z. wien. Entomol. Ges., **30**(1945): 42.

Gravitarmata margarotana (Heinemann, 1863)

Retinia margarotana Heinemann, 1863, *Schmett. Deutschl. Schweiz*, (2)**1**(1): 95.

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Retinia retiferana Wocke, 1879, *Bresl. Entomol. Zschr., N.F.*, **7**: 73.*Retinia amethystana* Peyerimhoff, 1872, *Petites Nouvelles Entomol.*, **4**: 239.

Food plants: Pinaceae: *Pinus densiflora* Sieb. et Zucc., *P. elliotii* Engelm., *P. thunbergii* Parl., *P. armandi* Franch., *P. tabulaeformis* Carr., *P. bungeana* Zucc. ex Endl., *P. yunnanensis* Franch., *P. massoniana* Lamb., *P. sylvestris* Linn., *P. koraiensis* Sieb. et Zucc., *Picea asperata* Mast., *P. ajanensis* Fisch., *Abies fabri* (Mast.) Craib, *A. nephrolepis* Maxim. (KUZNETSOV, 2001; LIU & LI, 2002).

Distribution: China (Shanxi, Liaoning, Heilongjiang, Jiangsu, Zhejiang, Anhui, Jiangxi, Shandong, Henan, Hubei, Hunan, Guangdong, Guangxi, Sichuan, Yunnan, Guizhou, Shaanxi, Gansu), Korea, Japan, Russia, Europe.

Gypsonoma Meyrick, 1895
Handbook Br. Lepidopt.: 481.

Gypsonoma attrita Falkovitsh, 1965*Gypsonoma attrita* Falkovitsh, 1965, *Entomol. Obozr.*, **44**: 431.

Distribution: China (Taiwan), Japan, Russia.

Gypsonoma bifasciata Kuznetsov, 1966*Gypsonoma bifasciata* Kuznetsov, 1966, *Trudy zool. Inst. Leningr.*, **37**: 185.Food plant: Salicaceae: *Salix* sp. (KUZNETSOV, 2001).

Distribution: China, Korea, Japan, Russia.

Gypsonoma contorta Kuznetsov, 1966*Gypsonoma contorta* Kuznetsov, 1966, *Trudy zool. Inst. Leningr.*, **37**: 187.Food plant: Salicaceae: *Populus maximowiczii* Henry (KUZNETSOV, 2001).

Distribution: China (Shanghai), Russia.

Gypsonoma dealbana (Frölich, 1828)*Tortrix dealbana* Frölich, 1828, *Enumeratio Tortr. Würtemb.*: 51.*Tortrix incarnana* Haworth, 1811, *Lepid. Br.*: 555, misspelling of *incarnatana* Hübner.*Penthina minorana* Treitschke, 1830, *Schmett. Eur.*, **8**: 43.*Spilonota alnetana* Guenée, 1845, *Annls Soc. ent. Fr.*, (2)**3**: 154.*Penthina obscuroides* Heinemann, 1854, *Bresl. Entomol. Z.*, **8**: 1.*Tortrix reconditana* Herrich-Schäffer, 1848, *Syst. Bearb. Schmett. Eur.*: fig. 417, non binominal

Food plants: Rosaceae: *Crataegus* sp.; Betulaceae: *Betula platyphylla* Sukaczew, *B. davurica* Pall., *Corylus* sp.; Salicaceae: *Populus* sp., *Salix roida*; Fagaceae: *Quercus* sp. (KUZNETSOV, 2001; RAZOWSKI, 2001).

Distribution: China (Guizhou), Japan, Russia, Kazakhstan, Europe.

Gypsonoma distincta Kuznetsov, 1971*Gypsonoma distincta* Kuznetsov, 1971, *Entomol. Obozr.*, **50**: 438.

Distribution: China (Sichuan, Shaanxi, Gansu).

Gypsonoma mica Kuznetsov, 1966*Gypsonoma mica* Kuznetsov, 1966, *Trudy zool. Inst. Leningr.*, **37**: 184.

Distribution: China, Russia.

Gypsonoma minutana (Hübner, [1799])*Tortrix minutana* Hübner, [1799], *Sammlung eur. Schmett., Tortrices*: pl. 12, fig. 73.*Grapholitha vermiculana* Duponchel, 1836, *Hist. nat. Lépid. Papillons Fr.*, **9**: 509.*Grapholitha paediscana* Staudinger, 1859, *Stettin. Entomol. Ztg.*, **20**(7-9): 233.

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Food plants: Salicaceae: *Populus alba* Linn., *P. nigra* Linn., *P. tremula* Linn., *P. suaveolens* Fisch., *P. davidiana* Dode, *P. cathayana* Rehd., *Salix* sp.; Rosaceae (KUZNETSOV, 2001; RAZOWSKI, 2001; LIU & LI, 2002).

Distribution: China (Beijing, Hebei, Shanxi, Heilongjiang, Shandong, Henan, Shaanxi, Gansu, Qinghai, Ningxia, Xinjiang), Mongolia, Korea, Japan, Afghanistan, Iran, Israel, Russia, Europe, North Africa.

Gypsonoma mutabilana Kuznetsov, 1985

Gypsonoma mutabilana Kuznetsov, 1985, *Vestnik Zool.*, **1985**(1): 8.

Distribution: China (Tibet, new record for China), Russia.

Gypsonoma oppressana (Treitschke, 1835)

Paedisca oppressana Treitschke, 1835, *Schmett. Eur.*, **10**(3): 95.

Phaneta cnephasiana Obratzov, 1943, *Mitt. münch. ent. Ges.*, **33**: 102.

Food plants: Salicaceae: *Populus* sp., *Salix* sp. (RAZOWSKI, 2001; LIU & LI, 2002).

Distribution: China (Henan, Sichuan, Shaanxi, Gansu, Qinghai, Ningxia, Xinjiang), Russia, Kazakhstan, Europe.

Gypsonoma phaeocremna (Meyrick, 1937)

Eucosma phaeocremna Meyrick, 1937, *In* CARADJA & MEYRICK, *Dt. ent. Z. Iris*, **51**: 179.

Distribution: China (Sichuan, Guizhou, Yunnan, Gansu, Shaanxi, Ningxia).

Gypsonoma rubescens Kuznetsov, 1971

Gypsonoma rubescens Kuznetsov, 1971, *Entomol. Obozr.*, **50**: 436.

Distribution: China (Tianjin, Henan, Sichuan, Guizhou, Yunnan, Shaanxi, Qinghai).

Gypsonoma similis (Kuznetsov, 1971)

Gibberifera similis Kuznetsov, 1971, *Entomol. Obozr.*, **50**: 432.

Distribution: China (Shaanxi).

Gypsonoma sociana (Haworth, 1811)

Tortrix sociana Haworth, 1811, *Lepid. Br.*: 434.

Penthina neglectana Duponchel, 1844, *Hist. Nat. Lépid. Papillons Fr. (suppl.)*, **4**: 509.

Food plants: Salicaceae: *Salix sachalinensis* Fr. Schm., *S. raddeana* Laksch. (KUZNETSOV, 2001).

Distribution: China (Henan, Gansu), Japan, England.

Hendecaneura Walsingham, 1900

Ann. Mag. Nat. Hist., (7)**6**: 401.

Eucosmodes Kuznetsov, 1973, *Entomol. Obozr.*, **52**(3): 689.

Hendecaneura axiotima (Meyrick, 1937)

Eucosma axiotima Meyrick, 1937, *In* CARADJA & MEYRICK, *Dt. ent. Z. Iris*, **51**: 178.

Distribution: China (Sichuan, Yunnan, Tibet, Taiwan), India, Nepal.

Hendecaneura himalayana Nasu, 1996

Hendecaneura himalayana Nasu, 1996, *Trans. lepid. Soc. Japan*, **47**(4): 209.

Distribution: China (Tibet, new record for China), India, Nepal.

Hendecaneura rhododendrophagum Nasu & Komai, 1997

Hendecaneura rhododendrophagum Nasu & Komai, 1997, *Jap. J. Ent.*, **65**(2): 413.

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Food plant: Ericaceae: *Rhododendron* sp. (NASU & KOMAI, 1997).

Distribution: China (Sichuan, new record for China), Japan.

Lepteucosma Diakonoff, 1971
Veröff. zool. StSamml. Münch., **15**: 179.*Lepteucosma huebneriana* (Koçak, 1980)*Epinotia huebneriana* Koçak, 1980, *Comm. Fac. Sci. Univ. Ankara*, **24**(C)1: 11.Food plants: Rosaceae: *Rubus fruticosus* L., *R. crataegifolius* Bunge, *R. sachalinensis* Lévl.; Solanaceae: *Lycium chinense* Mill. (KUZNETSOV, 2001; LIU & LI, 2002).

Distribution: China (Hebei, Jilin, Heilongjiang, Henan, Zhejiang, Anhui, Fujian, Hubei, Hunan, Guangdong, Guangxi, Guizhou, Northwest Part), Korea, Japan, Russia, Europe.

Megaherpystis Diakonoff, 1969
Tijdschr. Entomol., **112**(3): 97.*Megaherpystis melanoneura* (Meyrick, 1912)*Eucosma melanoneura* Meyrick, 1912, *J. Bombay nat. Hist. Soc.*, **21**: 886.

Distribution: China (Anhui, Fujian, Shandong, Henan, Hubei, Hunan, Guangdong, Guangxi, Sichuan, Guizhou, Shaanxi, Taiwan), Korea, Japan, Vietnam, India.

Neobarbara Liu & Nasu, 1993
Tinea, **13**(24): 245.*Neobarbara olivacea* Liu & Nasu, 1993*Neobarbara olivacea* Liu & Nasu, 1993, *Tinea*, **13**(24): 245.Food plants: Pinaceae: *Picea asperata* Mast., *P. purpurea* Mast., *P. wilsonii* Mast. (LIU & LI, 2002).

Distribution: China (Qinghai).

Noduliferola Kuznetsov, 1973
Entomol. Obozr., **52**(3): 685.*Noduliferola abstruse* Kuznetsov, 1973*Noduliferola abstruse* Kuznetsov, 1973, *Entomol. Obozr.*, **52**(3): 685.

Distribution: China (Jiangsu).

Notocelia Hübner, [1825]
Verz. Bekannter Schmett.: 379.*Aspis* Treitschke, 1829, *Schmett. Eur.*, **7**: 231. [preoccupied]*Aspidia* Duponchel, 1834, *Hist. Nat. Lépid. Papillons Fr.*, **9**: 20. [replacement name for *Aspis*]*Pardia* Guenée, 1845, *Annls Soc. ent. Fr.*, (2)**3**: 155.*Notocelia aquana* (Hübner, [1799])[*Tortrix*] *aquana* Hübner, [1799], *Sammlung eur. Schmett., Tortrices*: pl. 4, fig. 17.*Tortrix roborana* [Denis & Schiffermüller], 1775, *Syst. Verz. Schmett. Wien. Gegend*: 131, invalid, no description.Food plants: Rosaceae: *Rosa canina* L., *Rubus* sp., *Prunus spinosa* L., *Crataegus* sp.; Fagaceae: *Quercus* sp. (RAZOWSKI, 2001).

Distribution: China (Xinjiang), Iran, Central Asia, Russia, Kazakstan, Europe.

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Notocelia cynosbatella (Linnaeus, 1758)

Phalaena Tinea cynosbatella Linnaeus, 1758, *Systema Naturae*, (ed. 10): 536.

Tortrix tripunctana [Denis & Schiffermüller], 1775, *Syst. Verz. Schmett. Wien. Gegend*: 131.

Distribution: China, Iran, Russia, Kazakstan, Europe.

Notocelia incarnatana (Hübner, [1799])

[*Tortrix*] *incarnatana* Hübner, [1799], *Sammlung eur. Schmett., Tortrices*: pl. 30, fig. 191.

[*Tortrix*] *amoenana* Hübner, [1817], *Sammlung eur. Schmett., Tortrices*: pl. 39, fig. 248.

Notocelia longispina Nasu, 1980, *Tinea*, **11**(4): 37.

Food plants: Rosaceae: *Rosa canina* L., *R. rugosa* Thunb. (KUZNETSOV, 2001; RAZOWSKI, 2001).

Distribution: China, Mongolia, Japan, Russia, Kazakstan, Europe.

Notocelia kurosawai Kawabe, 1986

Notocelia kurosawai Kawabe, 1986, *Ent. Pap. pres. Kurosawa*, 80.

Distribution: China (Taiwan).

Notocelia nigripunctata Kuznetsov, 1973

Notocelia nigripunctata Kuznetsov, 1973, *Entomol. Obozr.*, **52**(3): 685.

Distribution: China (Shaanxi).

Notocelia nobilis Kuznetsov, 1973

Notocelia nobilis Kuznetsov, 1973, *Entomol. Obozr.*, **52**(3): 683.

Distribution: China (Shanxi, Sichuan, Gansu, Qinghai).

Notocelia rosaecolana (Doubleday, 1850)

Spilonota rosaecolana Doubleday, 1850, *The Zoologist*, **8**(Appendix): 106.

Argyroploce rosae Matsumura, 1917, *Ôyo Konchûgaku*, **1**: 514.

Food plants: Rosaceae: *Rosa multiflora* Thunb., *R. davurica* Pall., *R. rugosa* Thunb. (KUZNETSOV, 2001; LIU & LI, 2002).

Distribution: China (Beijing, Hebei, Liaoning, Jilin, Heilongjiang, Fujian, Jiangxi, Henan, Hubei, Hunan, Sichuan, Guizhou, Shaanxi, Gansu), Mongolia, Korea, Japan, Iran, Central Asia, Russia, Europe.

Notocelia tetragonana (Stephens, 1834)

Spilonota Epinotia tetragonana Stephens, 1834, *Illustr. Br. Ent., Haustellata*, **4**: 96.

Distribution: China (Beijing, Jilin, Heilongjiang), Russia, Europe.

Notocelia uddamanniana (Linnaeus, 1758)

Phalaena Tortrix uddamanniana Linnaeus, 1758, *Systema Naturae*, (ed. 10): 823.

Phalaena rubiana Scopoli, 1763, *Entomol. Carniolica*: 233.

[*Tortrix*] *achatana* Hübner, [1799], *Sammlung eur. Schmett., Tortrices*: pl. 9, fig. 49.

Distribution: China (Guizhou, Tibet), Iran, Kazakstan, Europe, North Africa.

Nuntiella Kuznetsov, 1971

Entomol. Obozr., **50**(2): 433.

Nuntiella angustiptera Zhang & Li, 2004

Nuntiella angustiptera Zhang & Li, 2004, *Acta ent. sin.*, **47**(4): 486.

Distribution: China (Guangxi, Yunnan).

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Nuntiella extenuata Kuznetsov, 1971*Nuntiella extenuata* Kuznetsov, 1971, *Entomol. Obozr.*, **50**(2): 434.

Distribution: China (Shaanxi).

Nuntiella laticuculla Zhang & Li, 2004*Nuntiella laticuculla* Zhang & Li, 2004, *Acta ent. sin.*, **47**(4): 485.

Distribution: China (Zhejiang, Guizhou).

Pelochrista Lederer, 1859*Wien. Entomol. Mschr.*, **3**: 331, 337.*Callimosema* Clemens, 1865, *Proc. Entomol. Soc. Philad.*, **5**: 141.*Pseudeucosma* Obraztsov, 1946, *Z. wien. Entomol. Ges.*, **30**(1945): 37. [subgenus]*Eucosmoides* Obraztsov, 1946, *Z. wien. Entomol. Ges.*, **30**(1945): 38.*Pelochrista apheliana* (Kennel, 1901)*Epiblema apheliana* Kennel, 1901, *Dt. ent. Z. Iris*, **13**(1900): 227.*Epiblema corneliana* Kennel, 1919, *Mitt. münch. ent. Ges.*, **18**(1917/1918): 88.

Distribution: China (West Part), Mongolia, Kazakstan, Europe.

Pelochrista arabescana (Eversmann, 1844)*Cochylis arabescana* Eversmann, 1844, *Fauna Lepid. Volgo-Ural.*: 528.Food plant: Asteraceae: *Artemisia* sp. (LIU & LI, 2002).

Distribution: China (Hebei, Shanxi, Inner Mongolia, Jilin, Gansu, Qinghai, Ningxia), Mongolia, Iran, Kazakstan, Europe.

Pelochrista buddhana (Kennel, 1919)*Epiblema buddhana* Kennel, 1919, *Mitt. münch. ent. Ges.*, **18**(1917/18): 92.

Distribution: China (West Part), Mongolia.

Pelochrista decolorana (Freyer, 1842)*Paedisca decolorana* Freyer, 1842, *Neuere Beitr. Schmett.-Kunde*, **4**: 48.Food plant: Asteraceae: *Solidago* sp. (KUZNETSOV, 2001).

Distribution: China (Tianjin, Hebei, Inner Mongolia, Heilongjiang, Anhui, Henan, Shaanxi, Gansu, Xinjiang), Mongolia, Korea, Japan, Russia, Europe.

Pelochrista disquei (Kennel, 1901)*Epiblema disquei* Kennel, 1901, *Dt. ent. Z. Iris*, **13**(1900): 274.*Pelochrista* (*Pseudeucosma*) *congeminata* Obraztsov, 1967, *Tijdschr. Entomol.*, **110**: 80, 86.

Distribution: China, Mongolia, Europe.

Pelochrista huebnerina chanana (Staudinger, 1900)*Grapholitha chanana* Staudinger, 1900, *Dt. ent. Z. Iris*, **12**(1899): 349.

Distribution: China (Qinghai), Mongolia, Central Asia, Russia.

Pelochrista huebneriana huebneriana (Lienig & Zeller, 1846)*Paedisca huebneriana* Lienig & Zeller, 1846, *Isis, Leipzig*: 237.

Distribution: China (Hebei, Shaanxi, Qinghai, Xinjiang), Russia, Kazakstan, Germany, Austria, East Europe.

Pelochrista labyrinthica (Christoph, 1872)

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Grapholitha labyrinthica Christoph, 1872, *Horae Soc. ent. Ross.*, **9**: 17.
Distribution: China (Xinjiang), Russia, Kazakstan, Turkmenia, Tadzhikistan, Romania, Europe.

Pelochrista medullana (Staudinger, 1880)
Grapholitha medullana Staudinger, 1880, *Horae Soc. ent. Ross.*, **15**: 254.
Distribution: China (Xinjiang, new record for China), Iran, Russia.

Pelochrista ornata Kuznetsov, 1967
Pelochrista ornata Kuznetsov, 1967, *Trudy zool. Inst. Leningr.*, **62**: 106.
Food plant: Asteraceae: *Artemisia gmelinii* Web. ex Stechm. (KUZNETSOV, 2001).
Distribution: China (Shanghai, Jiangsu), Russia.

Pelochrista tibetana (Caradja, 1939)
Epiblema tibetana Caradja, 1939, *Dt. ent. Z. Iris*, **53**: 25.
Distribution: China (Sichuan).

Pelochrista tolerans (Meyrick, 1930)
Eucosma tolerans Meyrick, 1930, *Exot. Microlepid.*, **3**: 599.
Distribution: China (Tibet).

Pelochrista umbraculana inignana (Kennel, 1901)
Epiblema umbraculana inignana Kennel, 1901, *Dt. ent. Z. Iris*, **13**(1900): 283.
Distribution: China, Mongolia, Japan, Russia.

Peridaedala Meyrick, 1925
Exot. Microlepid., **3**: 139.

Peridaedala japonica Oku, 1979
Peridaedala japonica Oku, 1979, *Kontyû*, **47**(4): 590.
Assulella optabilana Kuznetsov, 1979, *Trudy zool. Inst. Leningr.*, **81**: 80.
Distribution: China (Taiwan), Korea, Japan.

Phaneta Stephens, 1852
List Spec. Br. Animals Colln. Br. Mus., **10**: 32.

Ioplocama Clemens, 1860, *Proc. Acad. Nat. Sci. Philad.*, **12**: 360.
Astenodes Kuznetsov, 1966, *Trudy zool. Inst. Leningr.*, **37**: 196.

Phaneta bimaculata (Kuznetsov, 1966)
Astenodes bimaculata Kuznetsov, 1966, *Trudy zool. Inst. Leningr.*, **37**: 197.
Distribution: China (Jiangxi), Japan, Russia, Europe.

Retinia Guenée, 1845
Annls Soc. ent. Soc. Fr., (2)**3**: 180.

Petrova Heinrich, 1923, *Bull. U. S. natn. Mus.*, **123**: 21.

Retinia coeruleostriana (Caradja, 1939)
Eucosma coeruleostriana Caradja, 1939, *Dt. ent. Z. Iris*, **53**: 11.
Petrova gemmeata Kuznetsov, 1970, *Entomol. Obozr.*, **49**: 440.
Petrova splendida Oku & Satoh, 1971, *Kontyû*, **39**: 289.

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Food plant: Pinaceae: *Pinus densiflora* Sieb. et Zucc. (LIU & LI, 2002).

Distribution: China (Beijing, Hebei, Shanxi, Fujian, Henan, Sichuan, Yunnan, Shaanxi, Gansu), Japan, Russia.

Retinia cristata (Walsingham, 1900)

Enarmonia cristata Walsingham, 1900, *Ann. Mag. nat. Hist.*, (7)6: 439.

Petrova insignis Heinrich, 1928, *Proc. ent. Soc. Wash.*, 30: 63.

Food plants: Pinaceae: *Pinus massonina* Lamb., *P. tabulaeformis* Carr., *P. thunbergii* Parl., *P. densiflora* Sieb. et Zucc., *P. taiwanensis* Hayata (LIU & LI, 2002).

Distribution: China (Beijing, Tianjin, Hebei, Shanxi, Liaoning, Heilongjiang, Jiangsu, Zhejiang, Anhui, Jiangxi, Shandong, Henan, Hubei, Hunan, Guangdong, Guangxi, Sichuan, Yunnan, Shaanxi, Taiwan), Korea, Japan.

Retinia immanitana (Kuznetsov, 1969)

Petrova immanitana Kuznetsov, 1969, *Entomol. Obozr.*, 48(2): 368.

Food plant: Pinaceae: *Pinus koraiensis* Sieb. et Zucc. (KUZNETSOV, 2001).

Distribution: China (Tianjin, Shandong, new record for China), Russia.

Retinia monopunctata (Oku, 1968)

Petrova monopunctata Oku, 1968, *Kontyû*, 36: 233.

Food plants: Pinaceae: *Abies sachalinensis* (Schmidt.) Mast., *A. homolepis* Sieb. et Zucc., *A. holophylla* Maxim., *Picea jezoensis* var. *microsperma* (Lindl.) Cheng et L. K. Fu, *P. glehnii* (F. Schmidt) Mast., *P. polita* (Sieb. et Zucc) Carr., *P. abies* (Linn.) Karst., *Pinus tabulaeformis* Carr., *P. koraiensis* Sieb. et Zucc., *P. strobus* Linn., *Larix kaempferi* (Lamb.) Carr. (KUZNETSOV, 2001; LIU & LI, 2002).

Distribution: China (Shanxi, Heilongjiang, Fujian, Shaanxi), Japan.

Retinia impropria (Meyrick, 1932)

Eucasma impropria Meyrick, 1932, *Exot. Microlepid.*, 4: 24.

Grapholitha perangustana Snellen, 1883, *Tijdschr. Ent.*, 26: 220. (preoccupied).

Laspeyresia zonovae Florow, 1951, *Nasekomye-vrediteli shishek*: 21.

Food plants: Pinaceae: *Larix decidua* Mill., *L. sibirica* Ledeb., *L. polonica* Racib., *L. dahurica* Turcz. ex Trautv. (KUZNETSOV, 2001; LIU & LI, 2002).

Distribution: China (Inner Mongolia, Jilin, Heilongjiang, Yunnan), Mongolia, Russia, Poland, Slovakia, Europe.

Retinia pseudotsugaicola Liu & Wu, 2001

Retinia pseudotsugaicola Liu & Wu, 2001, *Acta ent. sin.*, 44(3): 345.

Food plant: Pinaceae: *Pseudotsuga sinensis* Dode (LIU & WU, 2001).

Distribution: China (Yunnan).

Retinia resinella (Linnaeus, 1758)

Phalaena Tinea resinella Linnaeus, 1758, *Systema Naturae*, (ed. 10): 539.

Carpocapsa obesana LaHarpe, 1858, *Faune Suisse*, 6. *Neue Denkschr. Schweiz. Ges. Naturwiss.*, 16: 99.

Food plants: Pinaceae: *Pinus sylvestris* Linn., *P. sylvestris* var. *mongolia* Litvin., *P. sibiricus* (Loud.) Mayr (KUZNETSOV, 2001; LIU & LI, 2002).

Distribution: China (Heilongjiang, Inner Mongolia), Japan, Russia, Europe.

Retinia teleopa (Meyrick, 1927)

Evetria teleopa Meyrick, 1927, *Exot. Microlepid.*, 3: 333.

Distribution: China (Shanghai, Shaanxi).

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Rhopalovalva Kuznetsov, 1964

Entomol. Obozr., **43**(4): 883.

Rhopalovalva catharotorna (Meyrick, 1935)

Acroclita catharotorna Meyrick, 1935, In CARADJA & MEYRICK, *Mater. Microlep. Chin. Prov.*: 53.

Distribution: China (Tianjin, Shanghai, Zhejiang, Hunan, Taiwan), Japan.

Rhopalovalva exartemana (Kennel, 1901)

Acroclita exartemana Kennel, 1901, *Dt. ent. Z. Iris*, **13**: 260.

Distribution: China (Heilongjiang), Korea, Japan, Russia.

Rhopalovalva grapholitana (Caradja, 1916)

Acroclita grapholitana Caradja, 1916, *Dt. ent. Z. Iris*, **30**: 60.

Acroclita cordelia Meyrick, 1935, In CARADJA & MEYRICK, *Mater. Microlepid. Fauna Chin. Prov.*: 52.

Food plant: Leguminosae: *Lespedeza bicolor* Turcz. (KUZNETSOV, 2001).

Distribution: China (Hebei, Northeast Part, Shanghai, Anhui, Jiangxi, Henan, Shaanxi, Gansu, Ningxia), Korea, Russia.

Rhopalovalva lascivana (Christoph, 1881)

Eudemis lascivana Christoph, 1881, *Bull. Soc. Nat. Moscou*, **56**(2): 405.

Food plant: Fagaceae: *Quercus mongolica* Fisch. (KAWABE, 1982).

Distribution: China (Guizhou), Korea, Japan, Russia.

Rhopalovalva orbiculata Zhang & Li, 2004

Rhopalovalva orbiculata Zhang & Li, 2004, *Nota lepid.*, **27**(2/3): 241.

Distribution: China (Fujian, Henan, Hunan, Guangxi, Guizhou).

Rhopalovalva ovata Zhang & Li, 2004

Rhopalovalva ovata Zhang & Li, 2004, *Nota lepid.*, **27**(2/3): 240.

Distribution: China (Henan, Hunan).

Rhopalovalva pulchra (Butler, 1879)

Phoxopteryx pulchra Butler, 1879, *Illustr. Typical Spec. Lepid. Heterocera Colln. Br. Mus.*, **3**: 79.

Food plants: Fagaceae: *Quercus* sp.; Oleaceae: *Fraxinus mandshurica* var. *japonica* Maxim. (BYUN *et al.*, 1998).

Distribution: China (Zhejiang, Fujian), Korea, Japan, Russia.

Rhopobota Lederer, 1859

Wien. Entomol. Mschr., **3**: 124, 148, 366.

Erinaea Meyrick, 1907, *J. Bombay nat. Hist. Soc.*, **18**: 141.

Norma Heinrich, 1923, *Bull. U. S. Nat. Mus.*, **123**: 191.

Kundrya Heinrich, 1923, *Bull. U. S. Nat. Mus.*, **123**: 192.

Eumarissa Clarke, 1976, *Insects of Micronesia*, **9**(1): 32.

Rhopobota antrifera (Meyrick, 1935)

Eucosma antrifera Meyrick, 1935, In CARADJA & MEYRICK, *Mater. Microlepid. Fauna Chin. Prov.*: 56

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Distribution: China (Zhejiang, Fujian, Hubei, Guangxi, Guizhou), Russia.

Rhopobota bicolor Kawabe, 1989

Rhopobota bicolor Kawabe, 1989, *Microlepidoptera of Thailand*, **2**: 62.

Distribution: China (Hubei, Hunan, Sichuan, Guizhou, Taiwan), Japan, Thailand.

Rhopobota eclipticodes (Meyrick, 1935)

Acroclita eclipticodes Meyrick, 1935, In CARADJA & MEYRICK, *Mater. Microlepid. Fauna Chin. Prov.*: 52.

Distribution: China (Zhejiang, Hubei, Guizhou).

Rhopobota latipennis (Walsingham, 1900)

Ancylis latipennis Walsingham, 1900, *Ann. Mag. Nat. Hist.*, (7)**6**: 439.

Ancylis latipennis var. *ussuriensis* Caradja, 1916, *Dt. ent. Z. Iris*, **30**(1916): 72.

Food plant: Rosaceae: *Padus racemosa* (Lam.) Gilib. (LIU & LI, 2002).

Distribution: China (Heilongjiang, Jiangxi, Henan, Sichuan), Japan, Russia.

Rhopobota naevana (Hübner, [1817])

Tortrix naevana Hübner, [1817], *Sammlung eur. Schmett.*, *Tortrices*: pl. 41, fig. 261.

Tortrix unipunctana Haworth, 1811, *Lepid. Br.*: 454.

Lithographia geminana Stephens, 1852, *List specimens Br. Animals Br. Mus.*: 99.

Sciaphila lutiferana Walker, 1863, *List specimens lepid. Ins. Colln. Br. Mus.*, **28**: 342.

Anchylopera vacciniaria Packard, 1869, *Guide Study Ins.*: 338.

Epinotia ilicifolia Kearfott, 1907, *Trans. Am. ent. Soc.*, **33**: 158.

Laspeyresia malivorella Matsumura, 1931, *6000 Illustr. Ins. Japan-Empire*: 1072.

Acroclita microrrhyncha Meyrick, 1931, *Exot. Microlepid.*, **4**: 127.

Food plants: Oleaceae: *Fraxinus mandshurica* Rupr., *F. rhynchophylla* Hance; Ericaceae: *Vaccinium vitis-idaea* Linn.; Rosaceae: *Malus spectabilis* (Ait.) Borkh., *M. mandshurica* (Maxim.) Kom., *Pyrus serotina*, *P. ussuriensis* Maxim., *Crataegus pinnatifida* Bunge, *Armeniaca vulgaris* Lam., *Prunus mume* Sieb. et Zucc., *Sorbus* sp., *Padus asiatica* (Kom.) Yu & Ku; Rhamnaceae: *Rhamnus davurica* Pall.; Aquifoliaceae: *Ilex integra* Thunb., *I. crenata* Thunb.; Oleaceae: *Syringa amurensis* Rupr. (KUZNETSOV, 2001; LIU & LI, 2002).

Distribution: China (Tianjin, Hebei, Inner Mongolia, Liaoning, Jilin, Heilongjiang, Zhejiang, Anhui, Fujian, Jiangxi, Henan, Hubei, Hunan, Guangdong, Sichuan, Guizhou, Yunnan, Tibet, Shaanxi, Gansu, Taiwan), Mongolia, Korea, Japan, India, Sri Lanka, Russia, Europe.

Rhopobota toshimai (Kawabe, 1978)

Griselda toshimai Kawabe, 1978, *Tinea*, **10**(19): 186.

Distribution: China (Taiwan), Japan.

Rhopobota ustomaculana (Curtis, 1831)

Steganoptycha ustomaculana Curtis, 1831, *Br. Entomol.*: 8.

Tortrix Steganoptycha dorsivittana Herrich-Schäffer, 1851, *Syst. Bearb. Schmett. Eur.*, **4**: 280.

Food plants: Rutaceae: *Citrus reticulata* Blanco; Ericaceae: *Vaccinium vitis-idaea* Linn.; Aquifoliaceae: *Ilex crenata* Thunb. (KUZNETSOV, 2001; LIU & LI, 2002).

Distribution: China (Anhui, Jiangxi, Hunan, Sichuan, Guizhou, Tibet), Japan, Europe.

Rhopobota visenda (Kuznetsov, 1973)

Griselda visenda Kuznetsov, 1973, *Entomol. Obozr.*, **52**: 682.

Distribution: China (Shaanxi).

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Rhyacionia Hübner, [1825] 1816

Verz. Bekannter Schmett.: 379.

Rhyacionia buoliana ([Denis & Schiffermüller], 1775)*Tortrix buoliana* [Denis & Schiffermüller], 1775, *Syst. Verz. Schmett. Wien. Gegend*: 28.*Phalaena Tinea herbstella* Goeze, 1783, *Entomol. Beitr.*, 3: 167.*?Phalaena Tinea gemmatella* Panzer, 1804 *nec* Scopoli 1763, *Schaefferi Icon. Ins. Enum. Syst.*: 195.[*Tortrix*] *gemmana* Hübner, [1819], *Sammlung eur. Schmett., Tortrices*: pl. 49, fig. 269.*Tortrix pallasana* Sodoffsky, 1830, *Bull. Soc. Nat. Moscou*, 2: 72.*Retinia thurificana* Lederer, 1855, *Verh. zool.-bot. Ges. Wien.*, 5: 224.*Evetria buoliana relictana* Lecerf, 1932, *Bull. Soc. ent. Fr.*, 37: 164.Food plants: Pinaceae: *Pinus sylvestris* Linn., *P. contorta* Dougl. ex Loud, *P. nigra* Arn., *P. pinea* Linn., *P. eldarica* Medw., *P. hamata* (Steven) D. Sosnowsky, *P. montana* Mill., *Abies alba* Mill. (KUZNETSOV, 2001; RAZOWSKI, 2001).

Distribution: China, Korea, Japan, Europe, North Africa, Nearctic.

Rhyacionia dativa Heinrich, 1928*Rhyacionia dativa* Heinrich, 1928, *Proc. Entomol. Soc. Wash.*, 30: 61.*Evetria japoniella* Matsumura, 1917, *Ôyô Konchûgaku*, 1: 516.*Evetria washiyai* Kôno & Sawamoto, 1940, *Insecta Matsum.*, 14: 149.Food plants: Pinaceae: *Pinus massoniana* Lamb., *P. thunbergii* Parl. (LIU & LI, 2002).

Distribution: China (Jilin, Jiangsu, Zhejiang, Anhui, Jiangxi, Shandong, Henan, Hubei, Guangdong, Sichuan, Taiwan), Korea, Japan, Russia, Europe.

Rhyacionia dolichotubula Liu & Bai, 1984*Rhyacionia dolichotubula* Liu & Bai, 1984, *Entomotaxonomia*, 6(2): 155.

Distribution: China (Yunnan).

Rhyacionia duplana duplana (Hübner, [1813])[*Tortrix*] *duplana* Hübner, [1813], *Sammlung eur. Schmett., Tortrices*: pl. 36, fig. 229, 230.*Tortrix coruscana* Frölich, 1828, *Enumeratio Tortr. Würtemb.*: 58.Food plants: Pinaceae: *Pinus tabulaeformis* Carr., *P. densiflora* Sieb. et Zucc., *P. sylvestris* Linn., *P. thunbergii* Parl. (LIU & LI, 2002).

Distribution: China (Beijing, Hebei, Shanxi, Liaoning, Jiangsu, Shandong, Henan, Shaanxi), Korea, Japan, Kazakhstan, Europe, Nearctic.

Rhyacionia insulariana Liu, 1981*Rhyacionia insulariana* Liu, 1981, *In LIU & BAI, Entomotaxonomia*, 3(2): 99.Food plants: Pinaceae: *Pinus yunnanensis* Franchet, *P. densata* Mast., *P. kesiya* var. *langbianensis* (A. Chev.) Gaussen, *P. armandi* Franch., *P. massoniana* Lamb. (LIU & LI, 2002).

Distribution: China (Sichuan, Yunnan).

Rhyacionia leptotubula Liu & Bai, 1984*Rhyacionia leptotubula* Liu & Bai, 1984, *Entomotaxonomia*, 6(2): 155.

Distribution: China (Heilongjiang, Yunnan).

Rhyacionia pinicolana (Doubleday, 1850)*Spilonota pinicolana* Doubleday, 1850, *Zoologist*, 8(Appendix): 106.*Retinia buoliana* var. *?concinnana* Lederer, 1859, *Wien. Entomol. Mschr.*, 3(9): 282.

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Food plants: Pinaceae: *Pinus tabulaeformis* Carr., *P. pumila* (Pull.) Regel, *P. sylvestris* Linn., *P. sylvestris* var. *mongolica* Litvin., *P. funebris* Kom. (KUZNETSOV, 2001; LIU & LI, 2002).

Distribution: China (Beijing, Tianjin, Hebei, Shanxi, Inner Mongolia, Liaoning, Jilin, Heilongjiang, Fujian, Jiangxi, Henan, Guizhou, Shaanxi, Ningxia), Korea, Japan, Russia, Europe.

Rhyacionia pinivorana (Lienig & Zeller, 1846)

Coccyx pinivorana Lienig & Zeller, 1846, *Isis, Leipzig*: 225.

?*Coccyx sciurana* Tengström, 1848, *Notis. Sällsk. Faun. Fl. fenn. Förh.*, **1**: 159.

?*Retinia albionana* Doubleday, 1850, *Synon. List. Br. Lepid.*: 25.

Tortrix Coccyx pudendana Herrich-Schäffer, 1851, *Syst. Bearb. Schmett. Eur.*, **4**: 122.

Evetria rhaeticana Thomann, 1914, *Jber. naturf. Ges. Graubündens, N. F.*, **55**: 20.

Food plant: Pinaceae: *Pinus sylvestris* Linn. (KUZNETSOV, 2001).

Distribution: China, Korea, Japan, Russia, Kazakstan, Europe.

Spilonota Stephens, 1834

Illust. Br. Ent. (Haustellata): 173.

Tmetocera Lederer, 1859, *Wien. Entomol. Mschr.*, **3**: 124.

Spilonota albicana (Motschulsky, 1866)

Grapholitha albicana Motschulsky, 1866, *Bull. Soc. Nat. Moscou*, **39**(1): 199.

Food plants: Rosaceae: *Malus pumila* Mill., *M. sieboldii* (Regel) Rehd., *M. mandshurica* (Maxim.) Kom., *M. pallasiana* Juz., *Photinia glabra* (Thunb.) Maxim., *Pyrus* sp., *Armeniaca vulgaris* Lamb., *Amygdalus persica* Linn., *Prunus salicina* Lindl., *P. serrulata* var. *spontanea* (Maxim.), *Cerasus pseudocerasus* (Lindl.) G. Don, *C. tomentosa* (Thunb.) Wall., *Cotoneaster melanocarpus* Lodd., *Crataegus pinnatifida* Bunge, *C. dahurica* Koehne ex Schneid., *C. maximowiczii* Schneid., *Sorbus amurensis* Koehne; Pinaceae: *Larix leptolepis* (Sieb. et Zucc.) Gord., *L. gmelini* (Rupr.) Rupr.; Betulaceae: *Corylus heterophylla* Fisch. et Bess. (BYUN *et al.*, 1998; KUZNETSOV, 2001; LIU & LI, 2002).

Distribution: China (Tianjin, Hebei, Heilongjiang, Zhejiang, Fujian, Henan, Hubei, Hunan, Sichuan, Guizhou, Shaanxi, Gansu), Korea, Japan, Russia.

Spilonota eremitana Moriuti, 1972

Spilonota eremitana Moriuti, 1972, *Kontyû*, **40**: 258.

Food plants: Pinaceae: *Larix gmelini* (Rupr.) Rupr., *L. leptolepis* (Sieb. et Zucc.) Gord, *L. olgensis* Henry, *L. decidus* Mill., *L. japonica* Carr. (KUZNETSOV, 2001; LIU & LI, 2002).

Distribution: China (Heilongjiang, Anhui, Henan, Hubei, Guizhou), Japan, Russia, Europe.

Spilonota laricana (Heinemann, 1863)

Grapholitha laricana Heinemann, 1863, *Schmett. Deutschl. Schweiz.*, **2**(1): 206.

Distribution: China, Japan, Russia, Europe, Nearctic.

Spilonota lechriaspis Meyrick, 1932

Spilonota lechriaspis Meyrick, 1932, *Exot. Microlepid.*, **4**: 306.

Food plants: Rosaceae: *Pyrus*, *Malus pumila* Mill., *Crataegus pinnatifida* Bunge, *Eriobotrya japonica* (Thunb.) Lindl.; Leguminosae: *Pyracantha angustifolia* (Franch.) Schneid. *et al.* (LIU & LI, 2002).

Distribution: China (Tianjin, Hebei, Heilongjiang, Fujian, Henan, Shaanxi), Korea, Japan, Russia.

Spilonota melanocopa Meyrick, 1912

Spilonota melanocopa Meyrick, 1912, *J. Bombay nat. Hist. Soc.*, **21**: 853.

Distribution: China (Taiwan), India.

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Spilonota ocellana ([Denis & Schiffermüller], 1775)

Tortrix ocellana [Denis & Schiffermüller], 1775, *Syst. Verz. Schmett. Wien. Gegend*: 130.

Pyralis luscana Fabricius, 1794, *Entomol. Syst.*, (3)2: 225.

[*Tortrix*] *comitana* Hübner, [1799], *Sammlung eur. Schmett.*, *Tortrices*: pl. 3, fig. 16.

Food plants: Rosaceae: *Malus pumila* Mill., *M. asiatica* Nakai, *M. mandshurica* (Maxim.) Kom., *M. sibirica*, *M. spectabilis* (Ait.) Borkh., *Amygdalus persica* Linn., *Armeniaca vulgaris* Lamb., *Crataegus pinnatifida* Bunge, *C. maximowiczii* Schneid., *C. chlorosarca* Maxim., *Cotoneaster melanocarpus* Lodd., *Corylus heterophylla* Fisch. ex Bess., *Prunus salicina* Lindl., *P. setrrolata* var. *spontanea*, *P. persica* (Linn.) Batsch, *P. mume* Sieb. et Zucc., *Cerasus pseudocerasus* (Lindl.) G. Don, *C. tomentosa* (Thunb.) Wall., *Pyrus ussuriensis* Maxim.; Pinaceae: *Larix kaempferi* (Lamb.) Carr.; Betulaceae: *Betula platyphlla* Suk., *B. fruticosa* Pall., *B. ovalifolia* Rupr., *B. davurica* Pall., *Alnus japonica* (Thunb.) Steud.; Salicaceae: *Salix* sp.; Juglandaceae: *Juglans* sp. (KUZNETSOV, 2001; LIU & LI, 2002).

Distribution: China (Hebei, Inner Mongolia, Jilin, Zhejiang, Fujian, Hubei, Sichuan, Shaanxi, Gansu, Qinghai), Korea, Japan, Iran, Russia, Europe, North Africa, Nearctic.

Spilonota prognathana (Snellen, 1883)

Grapholitha prognathana Snellen, 1883, *Tijdschr. Ent.*, **26**: 227.

Distribution: China (Inner Mongolia), Japan, Russia.

Spilonota pyrusicola Liu & Liu, 1994

Spilonota pyrusicola Liu & Liu, 1994, *Entomologica Sinica*, **1**(2): 140.

Food plants: Rosaceae: *Pyrus* sp., *Crataegus pinnatifida* Bunge (LIU & LI, 2002).

Distribution: China (Beijing, Liaoning, Henan).

Spilonota semirufana (Christoph, 1882)

Grapholitha semirufana Christoph, 1882, *Bull. Soc. Nat. Moscou*, **56**(2): 408.

Spilonota ochrea Kuznetsov, 1966, *Trudy Inst. Zool. Leningr.*, **37**: 189.

Distribution: China (Tianjin, Jilin, Heilongjiang, Henan), Korea, Japan, Russia.

Spilonota trilithopa (Meyrick, 1937)

Eucosma trilithopa Meyrick, 1937, *In CARADJA & MEYRICK, Dt. ent. Z. Iris*, **51**: 178.

Distribution: China (Yunnan).

Strepsicrates Meyrick, 1888

Trans. Proc. N. Z. Inst., **20**(1887): 73.

Strepsiceros Meyrick, 1881, *Proc. Linn. Soc. N. S. W.*, **6**: 678. [preoccupied]

Phthinolophus Dyar, 1903, *Proc. Entomol. Soc. Wash.*, **5**: 307.

Strepsicrates coriariae coriariae Oku, 1974

Strepsicrates coriariae Oku, 1974, *Kontyû*, **42**: 128.

Food plants: Myrtaceae: *Eucalyptus robusta* Smith, *Melaeuca leucadendra* Linn., *M. quinquenaria* S. T., *Tristania conferta* R. Br., *Fristania conferta*, *Rhodomytus tomentosa* (Ait.) Hassk., *Coriaria japonica* A. Gray (LIU & LI, 2002).

Distribution: China (Henan, Fujian, Hubei, Hunan, Guangdong, Guangxi, Guizhou, Gansu), Japan.

Strepsicrates coriariae grisescens Kuznetsov, 1979

Strepsicrates coriariae grisescens Kuznetsov, 1979, *Trudy zool. Inst. Leningr.*, **81**: 78.

Distribution: China (Sichuan), Russia.

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Strepsicrates routhia (Meyrick, 1910)*Spilonota routhia* Meyrick, 1910, *Trans. ent. Soc. London*, **1910**: 368.

Distribution: China (Taiwan), Sri Lanka.

Thiodia Hübner, [1825]*Verz. Bekannter Schmett.*: 391.*Botropteryx* Caradja, 1916, *Dt. ent. Z. Iris*, **30**: 63.*Gypsonomoides* Obraztsov, 1945, *Z. wien. Entomol. Ges.*, **30**(1945): 35.*Foveifera* Obraztsov, 1946, *Z. wien. Entomol. Ges.*, **30**(1945): 40.*Thiodia citrana* (Hübner, [1799])*Tortrix citrana* Hübner, [1799], *Sammlung eur. Schmett., Tortrices*: pl. 29: 185.*Thiodia citrana libanicolana* Obraztsov, 1964, *Tijdschr. Entomol.*, **104**(1): 23.Food plants: Asteraceae: *Achillea millefolium* Linn., *Artemisia campestris* Linn., *A. vulgaris* Linn., *Tanacetum vulgare* Linn., *Anthemis cotula* Linn. (KUZNETSOV, 2001; RAZOWSKI, 2001).

Distribution: China (Hebei, Xinjiang), Japan, Iran, Asia Minor, Turkmenia, Russia, Kazakstan, Europe, North Africa.

Zeiraphera Treitschke, 1829*Schmett. Eur.*, **7**: 231.*Zeiraphera atra* Falkovitsh, 1965*Zeiraphera atra* Falkovitsh, 1965, *Entomol. Obozr.*, **44**: 430.

Distribution: China (Shanxi), Korea, Russia.

Zeiraphera bicolora Kawabe, 1976*Zeiraphera bicolora* Kawabe, 1976, *Tinea*, **10**(3): 42.

Distribution: China (Jilin, Sichuan, Gansu), Japan, Russia.

Zeiraphera corpulentana (Kennel, 1901)*Steganoptycha corpulentana* Kennel, 1901, *Dt. ent. Z. Iris*, **13**(1900): 262.Food plants: Oleaceae: *Syringa amurensis* Rupr.; Rubiaceae: *Leptodermis potaninii* Batal. (KUZNETSOV, 2001; LIU & LI, 2002).

Distribution: China (Beijing, Jilin, Heilongjiang, Anhui), Korea, Japan, Russia.

Zeiraphera demutata (Walsingham, 1900)*Crociosema demutata* Walsingham, 1900, *Ann. Mag. nat. Hist.*, (7)**6**: 441.Food plant: Fagaceae: *Quercus mongolica* Fisch. ex Ledeb. (KUZNETSOV, 2001; LIU & LI, 2002).

Distribution: China (Jilin, Heilongjiang, Henan, Shaanxi, Gansu), Korea, Japan, Russia, Europe.

Zeiraphera fulvomixtana Kawabe, 1974*Zeiraphera fulvomixtana* Kawabe, 1974, *Trans. Lep. Soc. Jap.*, **25**(4): 98.

Distribution: China (Taiwan), Korea, Japan.

Zeiraphera funesta (Filipjev, 1931)*Semasia Steganoptycha funesta* Filipjev, 1931, *Ezheg. Zool. Mus. AN SSSR*, **31**: 341.Food plants: Rosaceae: *Malus mandshurica* (Maxim.) Kom., *M. pallasiana* Juz., *Pyrus ussuriensis* Maxim., *Armeniaca sibirica* (L.) Lam. (KUZNETSOV, 2001).

Distribution: China (Northeast Part, Guizhou), Russia.

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Zeiraphera gansuensis Liu & Nasu, 1993*Zeiraphera gansuensis* Liu & Nasu, 1993, *Tyô to Ga*, **44**(2): 62.Food plant: Pinaceae: *Pinus tabulaeformis* Carr. (LIU & LI, 2002).

Distribution: China (Inner Mongolia, Shaanxi, Gansu, Qinghai).

Zeiraphera griseana (Hübner, [1799])[*Tortrix*] *griseana* Hübner, [1799], *Samml. eur. Schmett.*, **7**: pl. 21, fig. 135.*Sphaleroptera diniana* Guenée, 1845, *Annls Soc. ent. Fr.*, **2**(3): 167.*Poecilochroma occultana* Douglas, 1846, *The Zoologist*, **4**: 1267.*Grapholitha pinicolona* Lienig & Zeller, 1846, *Iris*, Leipzig: 242.*Steganoptycha diniana* var. *desertana* Caradja, 1916, *Dt. ent. Z. Iris*, **30**: 68.Food plants: Pinaceae: *Larix gmelini* (Rupr.) Rupr., *L. decidua* Mill., *Picea asperata* Masters, *Abies fabri* Craib., *Pinus sylvestris* L., *P. cembra* L. (KUZNETSOV, 2001; LIU & LI, 2002).

Distribution: China (Hebei, Inner Mongolia, Jilin, Shaanxi, Gansu, Xinjiang), Korea, Japan, Russia, Europe, North America.

Zeiraphera hiroshii Kawabe, 1980*Zeiraphera hiroshii* Kawabe, 1980, *Tinea*, **11**(3): 26.

Distribution: China (Sichuan, Guizhou, new record for China), Japan.

Zeiraphera iseratana (Fabricius, 1794)*Pyralis isertana* Fabricius, 1794, *Entomol. Syst.*, **3**(2): 281.? *Pyralis communana* Fabricius, 1794, *Entomol. Syst.*, **3**(2): 259.? *Pyralis cuiviana* Fabricius, 1794, *Entomol. Syst., Suppl.*, **3**(2): 478.[*Tortrix*] *corticana* Hübner, [1813], *Sammlung eur. Schmett., Tortrices*: pl. 33, fig. 209.[*Tortrix*] *adustana* Hübner, [1813], *Sammlung eur. Schmett., Tortrices*: pl. 34, fig. 218.*Steganoptycha corticana* var. *nigricana* Sorhagen, 1882, *Berl. ent. Z.*, **26**(1): 141.*Steganoptycha corticana* var. *steiniana* Sorhagen, 1882, *Berl. ent. Z.*, **26**(1): 141.*Eucosma isertana* f. *wautersi* Dufrane, 1955, *Bull. Inst. R. Sci. nat. Belg.*, **31**(33): 4.Food plants: Fagaceae: *Quercus* sp.; Rosaceae: *Pyrus* sp.; Ulmaceae: *Ulmus* sp. (LIU & LI, 2002).

Distribution: China (Liaoning, Gansu, Qinghai), Russia, Europe.

Zeiraphera lariciana Kawabe, 1980*Zeiraphera lariciana* Kawabe, 1980, *Tinea*, **11**(3): 26.Food plant: Pinaceae: *Larix gmelini* (Rupr.) Rupr. (LIU & LI, 2002).

Distribution: China (Hebei, Heilongjiang), Japan.

Zeiraphera ratzeburgiana (Saxesen, 1840)*Phalaena Tortrix Coccyx ratzeburgiana* Saxesen, 1840, *In RATZEBURG, Forest Insekten*, **2**: 227.*Sericoris abietisana* Freyer, 1842, *Neuere Beitr. Schmerr.-Kunde*, **4**: 47.*Sericoris errana* Guenée, 1845, *Annls Soc. ent. Fr.*, (2)**3**: 160.*Grapholitha binotana* Wocke, 1861, *Cat. lepid. Eur. Faun.*, (ed. 1): 101.*Grapholitha binotatana* Heinemann, 1863, *Schmett. Deutschl. Schweiz.*, **1**(1): 214.*Semasia* (*Zeiraphera*) *paludiphila* Toll, 1957, *Annls zool.*, **16**(22): 354.*Zeiraphera canadensis* Mutuura & Freeman, 1966, *J. Res. Lepid.*, **5**(3): 153.Food plant: Pinaceae: *Picea crassifolia* Kom. (LIU & LI, 2002).

Distribution: China (Gansu, Qinghai), Russia, Europe, Nearctic.

Zeiraphera rufimitrana (Herrich-Schäffer, 1851)*Tortrix Coccyx rufimitrana* Herrich-Schäffer, 1851, *Syst. Bearb. Schmett. Eur.*, **4**: 220.

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Food plants: Pinaceae: *Abies alba* L., *A. fabri* (Mast.) Craib, *Picea asperata* Mast., *P. excelsa* (Lam.) Link, *Larix gmelini* (Rupr.) Rupr. (LIU & LI, 2002).

Distribution: China (Jilin, Heilongjiang), Mongolia, Korea, Russia, Europe.

Zeiraphera subcorticana (Snellen, 1883)

Grapholitha Paedisca subcorticana Snellen, 1883, *Tijdschr. Entomol.*, **26**: 215.

Aspis argutana Christoph, 1881, *Bull. Soc. Nat. Moscou*, **56**(1): 79.

Food plant: Aceraceae: *Acer* sp. (LIU & LI, 2002).

Distribution: China (Jilin, Heilongjiang, Guizhou), Japan, Russia.

Zeiraphera taiwana Kawabe, 1986

Zeiraphera taiwana Kawabe, 1986, *Entomol. Pap. Pres. Kurosawa, Tokyo*, 79.

Distribution: China (Taiwan).

Zeiraphera thymelopa (Meyrick, 1938)

Argyroplote thymelopa Meyrick, 1938, In CARADJA & MEYRICK, *Dt. ent. Z. Iris*, **52**: 1.

Zeiraphera hohuanshana Kawabe, 1986, *Entomol. Pap. Pres. Kurosawa, Tokyo*, 79. **syn. n.**

Distribution: China (Fujian, Tibet, Shaanxi, Gansu, Yunnan, Taiwan).

Remarks: We find *Zeiraphera hohuanshana* Kawabe is the same as *Argyroplote thymelopa* Meyrick based on the characters of adult and male genitalia of both species (CLARKE, 1958; KAWABE, 1986). CLARKE (1958) transferred *Argyroplote thymelopa* Meyrick to the genus *Olethreutes* and KUZNETSOV (1976) transferred it to *Zeiraphera*. Here we treat *Zeiraphera hohuanshana* Kawabe as a new synonym of *Zeiraphera thymelopa* (Meyrick).

Zeiraphera virinea Falkovitsh, 1965

Zeiraphera virinea Falkovitsh, 1965, *Entomol. Obozr.*, **44**: 429.

Food plant: Caprifoliaceae: *Viburnum sargentii* Koehne (KUZNETSOV, 2001).

Distribution: China (Jilin, Henan, Hunan, Sichuan, Guizhou), Korea, Japan, Russia.

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